

8. ADVANCED COMMUNICATIONS NETWORKS

8.1 GENERAL

Advanced Communications Networks (ACS) consist of the Public Packet Switching Network (PPSN), Frame Relay Service (FRS), MegaBit Service, ATM Cell Relay Service (ATM CRS) and LAN Switching Service (LSS).

8.1.1 SPECIAL CONSTRUCTION

FRS and ATM CRS will be available at Company Service Point locations. The offering of FRS, MegaBit Service, ATM CRS and LSS contemplates the use of existing facilities. There may be occasions when the service is not available due to facility limitations, or where it may be necessary to construct such facilities as either (1) normal or (2) Special Construction. If Special Construction is involved, the regulations as set forth in Tariff F.C.C. No. 2 apply.

8.1.2 ORDER MODIFICATIONS

PPSN, FRS, MegaBit Service, ATM CRS and LSS are ordered under the Access Order provisions as set forth in Section 5, preceding.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.1 GENERAL

8.1.2 ORDER MODIFICATIONS (Cont'd)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.1 PUBLIC PACKET SWITCHING NETWORK

Public Packet Switching Network (PPSN) is a service which utilizes packet switching technology and digital transmission facilities to provide common user switched data transport. PPSN consists of Packet Switch Nodes (PSN), Packet Switch Service Points (PSSPs) with modems or data service units (DSUs) and digital facilities. PPSN provides for simultaneous two-way transmission of data signals at various speeds within a PSSP, between two PSSPs, or between a PSSP and a PSN. PPSN connects customers to other customers (end users, Information Service Providers, Interexchange Carriers and other Packet Networks) served from PSSPs and PSNs.

Messages are transported through the network in data packets. Packets remain in the proper sequence by means of the establishment of virtual circuits using transport capabilities of the X.25 or X.75 protocols.

Customers may access the PPSN at those wire centers where PSSPs and/or PSNs are located. These locations are listed in the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4.

A. Types of Access

PPSN provides the ability for customers to originate or terminate data calls to other customers connected to the service. The type of service available to a customer is dependent on the manner in which the customer accesses the network. There are five types of access available:

- Public Dial Access (to Packet Switch Service Points)
- PSSP Access (via Private Line Transport Service)
- PSN Access (via Private Line Transport Service)
- Private Dial Access (to Packet Switch Service Points)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.1 PUBLIC PACKET SWITCHING NETWORK

A. Types of Access (Cont'd)

1. Public Dial Access (to Packet Switch Service Points)

Customers may access the PPSN Service Public Dial Access ports at PSSPs by dialing the seven or ten digit telephone number assigned to the port. The rates and charges for the circuit switched call placed over the voice telephone network are not included in this service. The charges for the circuit switched call will be charged by the vendor of that service directly to the customer. In addition, the rates and charges for exchange services are not included.

Public Dial Access ports provide X.3, X.28 and X.29 asynchronous protocol connections at 300 and 1200 bps, 2.4 and 9.6 kbps and may originate calls to PSSP and PSN Access Ports only. All calls originated from Public Dial Access Ports must be billed to the called party (Reverse Charge). If the called party does not accept the charges, the call will be blocked and cleared.

2. PSSP Access (Via Private Line Transport Service)

Customers may access the PPSN Service at PSSPs via analog or digital Private Line Transport Service channels as described in Section 7, preceding. Analog Private Line Service - Voice Grade, VG6 or VG10, channels may be used to access the analog ports or Digital Data Service channels may be used to access the synchronous digital ports.

PSSP Access Ports may be either analog or digital synchronous X.25 protocol. Analog ports provide synchronous connections to the PSSP at speeds of 2.4, 4.8, or 9.6 kbps with X.25 protocol.

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PSSP Access Ports may both originate and terminate calls (messages) as described following:

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.1 PUBLIC PACKET SWITCHING NETWORK

A.2. (Cont'd)

a. Originating Calls

Calls may be placed to other PSSP Access Ports or to PSN Access Ports. Originating calls are initiated by the PSSP Access customer and are billed according to the billing option selected as follows:

- Prepaid

Unless specifically identified on a call by call basis all originating traffic will be charged to the calling party.

- Reverse Charge Billing

Unless specifically identified on a call by call basis all originating traffic will be reverse charged to the called party.

b. Terminating Calls

Terminating calls may be received from originating Dial Access Ports, PSSP Access Ports, or PSN Access Ports. The types of calls received are dependent on the billing option selected as follows:

- Reverse Charge Acceptance

Customers who select this option will accept the charges for all calls sent to the network address(es) assigned to the customer.

- Reverse Charge Denied

Customers who select this option will only be able to receive calls that have been billed to the originating caller (prepaid). When this option is elected, calls from dial access customers cannot be received.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.1 PUBLIC PACKET SWITCHING NETWORK

A. Types of Access (Cont'd)

3. PSN Access (Via Private Line Transport Service)

Packet Switch Node (PSN) Ports provide the customer with direct access to a Packet Switch Node. The customer may access the PSN Ports via Analog Private Line Service - Voice Grade, VG6 or VG10, or Digital Data Service channels as described in Section 7. preceding. PSN Access Ports may be either X.25 or X.75 protocol connections at speeds of 9.6 kbps analog or 9.6 or 56 kbps digital.

PSN Access Ports may both originate or terminate calls (messages) as described following:

a. Originating Calls

Originating calls may be placed to other PSN Access Ports or to PSSP Access Ports. Originating calls are initiated by the PSN Access customer and are billed according to the default billing option selected:

- Prepaid

Unless specifically identified on a call by call basis all originating traffic will be charged to the calling party.

- Reverse Charge Billing

Unless specifically identified on a call by call basis all originating traffic will be reverse charged to the called party.

b. Terminating Calls

Terminating Calls may be received from originating Private or Public Dial Access Ports, PSSP Access Ports or PSN Access Ports. PSN Access customers must subscribe to Reverse Charge Acceptance.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.1 PUBLIC PACKET SWITCHING NETWORK

A. Types of Access (Cont'd)

4. Private Dial Access (to Packet Switch Service Points)

Customers may access the PPSN Private Dial Access ports at PSSPs by dialing the unique seven or ten digit telephone number assigned to the port(s). The rates and charges for the circuit switched call placed over the voice telephone network are not included in this service. The charges for the circuit switched call will be charged by the vendor of that service directly to the customer.

Private Dial Access ports provide X.3, X.28 and X.29 asynchronous protocol connections at 300 and 1200 bps, 2.4 and 9.6 kbps and synchronous X.32 protocol connections at 9.6 kbps. Private Dial Access ports may originate calls to PSSP and PSN Access ports only. All calls originating from Private Dial Access ports are billed according to 2.a., preceding.

The Private Dial Access port includes a connection to the local switched telecommunications network for the termination of voice telephone network calls at the PSSP. This connection does not provide for a listing in the local exchange telephone directory, and may be arranged as a single line or, for multiple lines, they may be provided in a hunting arrangement.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.1 PUBLIC PACKET SWITCHING NETWORK (Cont'd)

B. Performance and Interconnection Specifications

PPSN Service provides high quality transport of data using packet switching and digital transmission facilities. The customer shall provide data terminal equipment in accordance with the interface specifications as described in the U S WEST Communications Technical Publication PUB 77359. Flexible interconnection arrangements are available to the customer as described following:

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1. Public Dial Access

Public Dial Access is initiated by the customer dialing the PSSP access number (NPA) N29-2929 via the circuit switched telephone network. Dial Access supports asynchronous protocol only at transmission speeds of 300 and 1200 bps and 2.4 and 9.6 kbps.

- Dial access is not recommended from multiparty exchange service.
- To preclude operator interruptions, public dial access is not recommended from a coin operated telephone except on a third party or credit card basis.

2. PSSP Access

PSSP Access is provided through channels (circuits) as defined in Section 7, preceding, to connect the customer through a modem or data service unit (DSU) to a port on the PSSP. PSSP Access supports synchronous X.25 protocol and has a unique network address.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.1 PUBLIC PACKET SWITCHING NETWORK

B.2. (Cont'd)

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The X.25 protocol provides the capability of establishing multiple virtual communication links from the customer through the PPSN Network. X.25 protocol ports will interface with analog or digital channels. Analog speeds are 2.4, 4.8 and 9.6 kbps. Digital speeds are 2.4, 4.8, 9.6, and 56 kbps.

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3. PSN Access

PSN Access is provided through channels (circuits) as defined in Section 7, preceding, to connect a customer directly to a port on the PSN. This arrangement supports high speed 9.6 or 56 kbps channels and either X.25 or X.75 protocol. X.75 protocol provides load distribution. PSN Access has the capability of establishing multiple virtual communication links from the customer through the PPSN.

Analog access is available only at 9.6 kbps. Digital access is available at 9.6 and 56 kbps.

4. Private Dial Access

Private Dial Access is provided through the voice telecommunications network, as defined in 8.2.1.A.4., preceding, to connect the customer, through an analog modem, to a port on the PSSP. Private Dial Access supports asynchronous (X.3, X.28, X.29) protocol only at transmission speeds of 300 and 1200 bps and 2.4 and 9.6 kbps and synchronous (X.32) protocol only at a transmission speed of 9.6 kbps.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.1 PUBLIC PACKET SWITCHING NETWORK (Cont'd)

C. Regulations Specific to PPSN

1. General

- a. PSSP and PSN access customers must subscribe to an adequate number of channels to handle terminating calls in order not to impair the performance of PPSN.
- b. Multiple Network Addresses are available in blocks of ten (one address is included with the port).

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.1 PUBLIC PACKET SWITCHING NETWORK (Cont'd)

D. Generic Names

The following list of Company-designated BSEs identifies the generic equivalent name for each of the BSEs from Telcordia's ONA Services Users Guide, dated July 31, 1991.

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GENERIC	U S WEST
Call Redirection	Redirection
Call Redirection	Closed User Group
Call Redirection	Fast Select Acceptance
Default Window Size	Nonstandard Window Size
Flow Control Parameter Negotiation - Packet	Flow Control Parameters
Hunt Groups - Packet	Multiple Port Hunt Group
Hunt Groups - Packet	Reverse Charge Acceptance
Incoming Access Barred - Packet	CUG Incoming Access Barred
Logical Channel Layout - Packet	Logical Channel Layout
Logical Channels - Packet	Logical Channel
Multiple Network Address/Port	Multiple Network Addresses
Outgoing Calls Barred - Packet	CUG Outgoing Access Barred
Permanent Virtual Circuit - Packet	Permanent Virtual Circuit
Reverse Charge Request Option - Packet	Reverse Charge Option

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS (Cont'd)

8.2.2 FRAME RELAY SERVICE

Frame Relay Service (FRS), employing digital technology, provides high speed access connections and throughput to interstate service providers or provides high speed throughput to intraLATA interstate Local Area Networks (LANs), as well as host access capabilities. For interLATA interstate FRS, the customer must specify the IC to which the service is connected and the means by which the FRS is transported to another state. Utilizing statistical multiplexing, FRS enables users to allocate circuit bandwidth to applications as needed, up to the maximum bandwidth purchased, rather than assigning fixed channels to specific applications. FRS supports transmission speeds up to 44.736 Mbps.

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FRS requires the use of customer-provided terminal equipment that functions as a multiplexer/bridge/router. This terminal equipment must be purchased separately from the FRS and must conform to Telecommunications Standardization Sector of the International Telecommunications Union (ITU-T) and American National Standards Institute (ANSI) standards set forth in technical publications. The terminal equipment accumulates customer data and puts it into a frame relay format suitable for transmission over the Frame Relay Advanced Communications Services (ACS) Network.

FRS conforms to ITU-T and ANSI standards set forth in ANSI technical documents (see "Reference To Technical Publications" in Section 0, preceding). Technical Specifications for FRS are delineated in U S WEST Communications Technical Publication PUB 77372. Performance specifications for 44.736 Mbps FRS are delineated in U S WEST Communications Technical Publication PUB 77324 and PUB 77372.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.2 FRAME RELAY SERVICE (Cont'd)

A. Service Elements

1. Network Interface

When an FRS Access Link is used to access the ACS Frame Relay Network, the point at which a customer's data transmissions first enter the network supporting Frame Relay Service is the network interface. It is the point of interconnection between Company communications facilities and customer terminal equipment.

2. Access Link

For 4-Wire 56 kbps through 1.544 Mbps Frame Relay Service, a connecting FRS Access Link provides access to the ACS Frame Relay Network customer facilities at the network interface connecting other frame relay networks' facilities at the network interface with an Information Transfer service element. The 56 kbps Access Link utilizes the 56 kbps Information Transfer service element, a 64 kbps Access Link utilizes the 64 kbps Information Transfer, and the 1.544 Mbps Access Link utilizes the 56 kbps through 1.544 Mbps Information Transfer service elements.

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A 2-wire 128 kbps Access Link employs Integrated Services Digital Network (ISDN) BRI signaling over a single pair to allow customers to access Frame Relay Service over local loop facilities. The 2-Wire 128 kbps Access Link utilizes a 2-Wire 128 kbps User-To-Network Information Transfer service element and must be connected to a Permanent Virtual Connection(s). The customer's serving wire center must be a Company-designated FRS Service Point.

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Frame Relay uni-directional polling is required on the Access Link when used in conjunction with User-To-Network Information Transfer. Frame Relay bi-directional polling is required on the Access Link when used in conjunction with the Network-To-Network Information Transfer.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.2 FRAME RELAY SERVICE

A.1. (Cont'd)

In lieu of the 56 or 64 kbps or 1.544 Mbps 4-Wire FRS Access Link, a Private Line Transport 56 or 64 kbps or any 1.544 Mbps interface in Section 7 and/or Section 15, or an EICT (Expanded Interconnection Channel Termination) DDS, EICT 1.544, or ITP (Interconnect Tie Pair) 1.544 Mbps from Section 21, may be used to access Frame Relay Service.

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In lieu of an FRS Access Link, a Private Line Transport DS3 Service Channel Termination (CT) with Clear Channel Capability, as set forth in Section 7, is used to provide access to a 44.736 Mbps Information Transfer. The DS3 Service CT provides access to the ACS Frame Relay Network switch via a connection between customer facilities at the network interface and an Information Transfer service element. In lieu of the DS3 CT, an EICT 44.736 or ITP 44.736, specified in Section 21, may be used to access FRS. FRS switch locations are designated by the Company and are identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

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3. Stand-Alone Access Link

A Stand-Alone Access Link connects customer-premises facilities to frame relay service networks provided by service providers other than the Company. It does not connect to the ACS Frame Relay Network. A Stand-Alone Access Link requires uni-directional polling. Private Line Transport Service (PLTS) Transport Channel mileage rates as set forth in Section 7, may be required in conjunction with a Stand-Alone Access Link to connect the customer's serving wire center, or node, with the serving wire center, or node, of another frame relay service provider.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.2 FRAME RELAY SERVICE

A. Service Elements (Cont'd)

4. Ports

Ports are part of the FR switch and are the physical entry points for Access Links into the ACS Network. They are originating and terminating points for Permanent Virtual Connections (PVC) transport facilities between FR switches. Ports include the electronic equipment used to connect these service elements to the ACS Network. They enable customers to allocate bandwidth to applications as needed at customer-designated transmission speeds for 4-Wire of up to 56 or 64 kbps, 1.544 Mbps, 44.736 Mbps and for 2-Wire 128 kbps.

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5. Service Points

Service Points are geographical locations designated by the Company where the ACS Network Ports are located and where the ACS Network is accessed. Service Point locations are designated by the Company and are identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. When the Company establishes new Service Points which result in a change of existing FRS, the affected services will be rerated and redesigned to the new Service Point at no charge to the customers.

6. User-To-Network Information Transfer (UNIT)

The User-To-Network Information Transfer (UNIT) service element transfers information between the User-To-Network Interface (UNI) and the ACS Frame Relay Service Network.

User-To-Network Information Transfer provides the physical entry point into the ACS Network for Access Links. The UNIT includes the associated port, unidirectional Permanent Virtual Connections (PVCs) and ACS Frame Relay switching equipment. UNIT PVCs are provisioned at customer-selected Committed Information Rates (CIRs), and at port speeds for 4-Wire of 56 or 64 kbps, 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, 672 or 768 kbps, or 1.544 Mbps, or 44.736 Mbps and for 2-Wire 128 kbps depending upon the customer's data networking requirements. UNIT provides unidirectional polling between the customer's facilities and the ACS FRS Network.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.2 FRAME RELAY SERVICE

A. Service Elements (Cont'd)

7. Network-To-Network Information Transfer (NNIT)

Available on a 4-Wire basis only, the Network-To-Network Information Transfer (NNIT) service element transfers information between the ACS Frame Relay Service Network and another frame relay network.

Network-To-Network Information Transfer provides the physical entry point into the ACS Network for Access Links. The NNIT includes the associated port, unidirectional Permanent Virtual Connections (PVCs) and ACS Frame Relay switching equipment. If the other frame relay service network's switch or facility is not in a location served by a Company serving wire center where an ACS FRS switch is located, private line transport charges will apply, at rates set forth in Section 7 of this Tariff. NNIT PVCs are provisioned at customer-selected Committed Information Rates (CIRs), and at port speeds, dependent upon the customer's data networking requirements.

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NNIT provides bidirectional polling between the ACS FRS Network and another frame relay network.

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8. Permanent Virtual Connection (PVC)

A PVC is a unidirectional logical channel from one Frame Relay Port to another Frame Relay Port within the ACS Network. PVCs are provisioned at customer-selected port speeds, with customer-selected Committed Information Rates (CIRs), depending on the customer's data networking requirements.

Although higher numbers of PVCs may be provided, depending on an individual customer's traffic characteristics, the following are the recommended maximum numbers of PVCs for designated FRS port speeds:

4-WIRE FRS PORT SPEEDS	RECOMMENDED NUMBER OF PVCs
56 or 64 kbps	30
112 or 128 kbps	40
224 or 256 kbps	80
336 or 384 kbps	120
448 or 512 kbps	125
672 or 768 kbps	125
1.544 Mbps	125
44.736 Mbps	[1]

[1] The maximum number of PVCs which may be associated with 44.736 Mbps is 500.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.2 FRAME RELAY SERVICE

A.8. (Cont'd)

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2-WIRE FRS PORT SPEEDS

RECOMMENDED NUMBER OF PVCs

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128 kbps

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9. Committed Information Rate (CIR)

Although FRS statistical multiplexing capabilities allow customers with FRS configurations to have aggregate PVC CIRs which are greater than the associated port speed, the actual throughput of aggregated PVC CIRs in use at any time on the same port cannot exceed the port speed.

A customer's data throughput may burst up to the customer's subscribed port speed; however, when data exceeds the CIR, the potential for discard exists. It is recommended that a customer subscribe to a CIR no greater than half the port speed; although, a larger CIR may be accommodated, as indicated below, depending on a specific customer's traffic characteristics.

The customer's CIR should closely match the Open System Interconnection (OSI) Model or equivalent Application and Network Layer protocols for the data application utilized.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.2 FRAME RELAY SERVICE

A.9. (Cont'd)

CIR Options For Permanent Virtual Connections are delineated in PUB 77372.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.2 FRAME RELAY SERVICE

A. Service Elements (Cont'd)

10. Central Office Connecting Channel (COCC)

When a customer accesses FRS via a private line transport facility which requires multiplexing to be compatible with FRS transmission speeds or requires port to port connectivity, the COCC provides the ongoing interconnection from the multiplexer or other Company facility port to an FRS port. The COCC provides connectivity up to 1.544 Mbps, or up to 44.736 Mbps.

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11. Transport Channel

The Transport Channel provides for the transmission facilities between the serving wire center associated with the customer-designated premises and the FRS Service Point or FRS switch; or between an EICT or ITP and the FRS Service Point.

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12. Optional Features and Functions

a. Utilization Information Report

The Utilization Information Report provides a customer with Frame Relay Service usage and performance level information. The report is available on a monthly basis or on an individual, one-time request basis.

b. Customer Network Management (CNM)

The Customer Network Management (CNM) optional feature provides the customer with read-only access to information related to FRS faults, usage information, performance management functions and configurations. Customer-provided network management terminal equipment (e.g., workstation) is used to access CNM as delineated in U S WEST Communications Technical Publication PUB 77376. A PVC is used to access CNM in the Company's Public Data Network Control Center (PDNCC). The PVC is dedicated to the CNM feature but does not affect the total number of per port PVCs available to the customer. ACS network locations where CNM is available are designated in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.2 FRAME RELAY SERVICE

A.12. (Cont'd)

c. Multicast

The Multicast feature allows an FRS customer to send the same data message simultaneously to multiple, predefined destinations within the customer's FRS configuration. The customer identifies or orders a Multicast-dedicated PVC and identifies destination PVCs that comprise the Multicast arrangement. A Multicast-dedicated PVC cannot also serve as a destination PVC.

The FRS Multicast feature is provided only over a User-to-Network Interface and is available only within the ACS Network.

d. Priority PVC

Priority PVC assigns a higher transit priority to the customer's designated UNIT PVCs. During intermittent network congestion, frames with priority PVC will move ahead of the non-priority PVCs. This minimizes delay and lowers the probability for frame discards.

The Priority PVC Optional Feature is not available for 2-Wire 128 kbps Frame Relay Service.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.2 FRAME RELAY SERVICE

A.12. (Cont'd)

e. Fault Tolerant Service

Fault Tolerant Service reroutes the customer's PVCs in the event of a service interruption at the customer's primary location. Upon notification by the customer that a service interruption has occurred, the PVCs will be rerouted to a backup UNIT. Upon notification by the customer that the service has been restored, the Company will reroute the customer's PVCs back to the primary service. Fault Tolerant Service can be used to backup one or more primary location, however, only one activation can occur at a time. The backup UNIT speed must be equal to or greater than the highest UNIT speed of the designated primary connection. Fault Tolerant Service is only available on speeds of 56/64 kbps, 1.544 Mbps, and/or 44.736 Mbps.

Fault Tolerant Service will be activated within 30 minutes of notification by the appropriate customer representative. If the service is not switched from the designated primary to the backup within that allotted time frame, the customer will pay one half of the normal activation fee for Fault Tolerant Service.

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f. Video PVC

Video PVC is a unidirectional logical channel that supports packetized video conferencing over a 1.544 Mbps Frame Relay UNIT, at Committed Information Rates (CIR) of 384 or 512 kbps. Point-to-point conferencing is available at 384 or 512 kbps CIR and Multipoint conferencing is available at 384 kbps CIR only. The Video PVC feature utilizes high-speed digital facilities between FRS Service Points to minimize video delay or frame loss and improve transmission quality. The Video PVC feature includes PVC prioritization. Within one 1.544 Mbps Frame Relay UNIT, at a CIR of 384 kbps, the customer may designate up to three PVCs as Video PVCs; at a CIR of 512 kbps, the customer may designate up to two PVCs as Video PVCs.

The Video PVC Optional Feature is not available for 2-Wire 128 kbps Frame Relay Service.

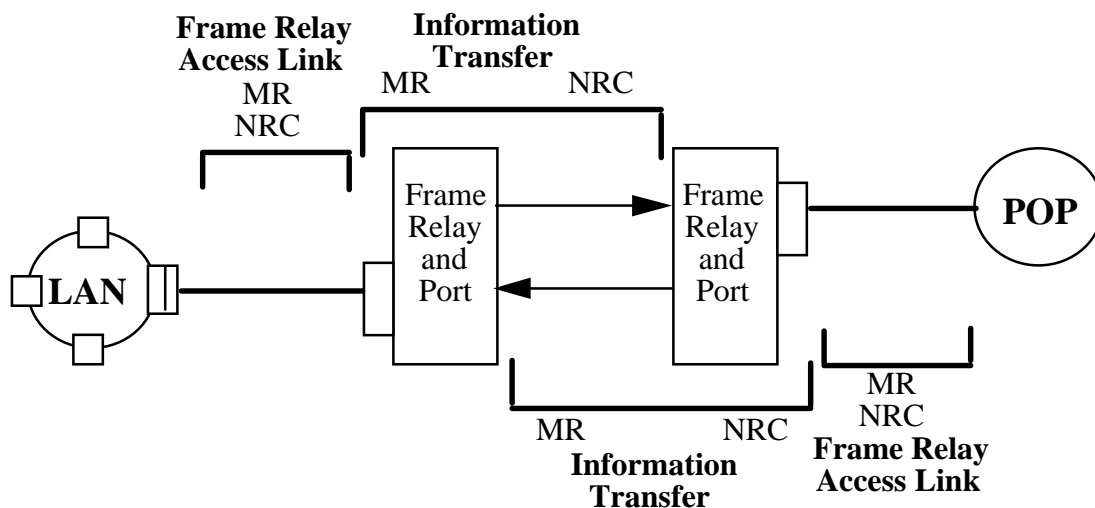
8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.2 FRAME RELAY SERVICE (Cont'd)

B. Service Configuration

The following diagram is an example of a typical Frame Relay Service User-To-Network Interface (UNI) or Network-to-Network Interface (NNI) configuration.



MR - Monthly Rate
NRC - Nonrecurring Charge

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8.2 SERVICE DESCRIPTIONS

8.2.2 FRAME RELAY SERVICE (Cont'd)

C. Regulations Specific to FRS

1. Obligations of the Customer

In addition to the Obligations of the Customer in Section 2, the following regulations apply. Error correction is the responsibility of the customer's Frame Relay-compatible terminal equipment. FRS switches may discard frames with errors. They may also discard frames when the network supporting FRS is in a state of congestion. Congestion control and recovery mechanisms are as set forth in technical documents listed under "Reference to Technical Publications" in Section 0, preceding.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS (Cont'd)

8.2.3 MEGABIT SERVICE

A. Description

MegaBit Service utilizes Asynchronous Transfer Mode (ATM) technology over dedicated transport facilities, Asymmetrical Digital Subscriber Line (ADSL) technology over Company-provided metallic local loop facilities and MegaBit ISDN Digital Subscriber Line Service (IDSL) technology over Company-provided 2-wire, private line facilities to provide customers with high speed data services. MegaBit Service is comprised of MegaBit Subscriber Service, MegaCentral Service and MegaBit IDSL.

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MegaBit Subscriber Service utilizes customer-provided equipment, located at the customer's premises, and Company-provided equipment, at Company Central Offices, to allow the Company to accept traffic from the customer and then separate and send bi-directional voice and data transmissions to the designated, separate voice and data networks. Each MegaBit Subscriber Service must be connected to a MegaCentral Service. The data connection from the MegaBit Subscriber location to the MegaCentral location is a dedicated virtual connection (point to point) across a shared backbone network (ATM Cell Relay).

MegaBit IDSL provides a data only, 2-Wire, private line service with a bi-directional data transmission capacity of 128 kbps or 144 kbps. Each MegaBit IDSL must be connected to a MegaCentral Service. The data connection from the MegaBit IDSL location to the MegaCentral location is a dedicated virtual connection (point to point) across a shared backbone network, ATM Cell Relay.

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(S-y)

MegaCentral Service aggregates multiple data streams into a single host site using peak transmission speeds of 1.544 Mbps, and 3 Mbps up to 45 Mbps, in 3 Mbps increments.

Technical Specifications for MegaBit Service are delineated in U S WEST Communications Technical Publications PUB 77392 and PUB 77399.

(S-y)

The offering of MegaBit Service contemplates the use of existing ADSL, IDSL and ATM Cell Relay facilities. There may be occasions where MegaBit Service is not available due to facility limitations or where it may be necessary to construct such facilities. If Special Construction is involved the regulations as set forth in Tariff F.C.C. No. 2 apply.

(S-y)

- (y) Reissued matter advanced from May 13, 2000 to April 15, 2000 under Special Permission No. 00-023.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.3 MEGABIT SERVICE

A. Description (Cont'd)

During the Company's network maintenance and software update period, it may be necessary to temporarily place MegaBit Service central office equipment out of service. The Company also reserves the right to temporarily interrupt MegaBit Service at other times in emergency situations.

(S-y)

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MegaBit Service is available in specific wire center locations where the Company has established ADSL, IDSL and ATM Cell Relay technology as specified in the National Exchange Carrier Association Tariff F.C.C. No. 4.

(S-y)

The Company will qualify copper facilities to determine the suitability of such facilities for MegaBit Subscriber Service. The Company will not provide MegaBit Subscriber Service on copper facilities that are unsuitable for the Service. Nor will the Company provide MegaBit Subscriber Service if it determines that such provision will produce interference to other services.

MegaBit Subscriber Service and MegaBit IDSL Service will be provided subject to the availability and limitations of Company wire centers and outside plant facilities.

(S-y)

The customer is responsible for providing and installing all compatible customer provided equipment (CPE). Compatibility requirements are delineated in U S WEST Communications Technical Publication PUB 77392 and 77399. The modem must support customer-selected services.

(S-y)

(S-y)

(y) Reissued matter advanced from May 13, 2000 to April 15, 2000 under Special Permission No. 00-023.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.3 MEGABIT SERVICE

B. Service Elements

1. MegaBit Subscriber Service

a. MegaBit Subscriber Service Charge

The MegaBit Subscriber Service Charge uses ADSL technology which permits simultaneous data over voice service using the same Company-provided flat-rated local exchange line. All MegaBit Subscriber Services are provided as dedicated connections, except the 256 Kbps service which is offered as either a dedicated connection or as a per session connection. A dedicated connection provides a modem devoted specifically to the customer whereas a per session connection utilizes pooled modems, however both services while connected offer equivalent performance.

(S-z)

Unlike dedicated connection customers, per session connection customers must vie for a modem in the pool and the potential for a busy state exists. The Company will limit each session connect time, but will ensure a session of no less than 1 hour but no more than 4 hours, with all customers having the same maximum session time. The Company will not change the maximum session time more than once a month. A per session connection customer can expect to establish a connection within 1 to 2 hours of the initial attempt.

ADSL supports access data technology providing the following peak data transmission and reception speeds:

(S-z)

- 256 kbps bi-directional, per session connection
- 256 kbps bi-directional, dedicated connection
- 512 kbps bi-directional, dedicated connection
- 768 kbps bi-directional, dedicated connection

- 1 Mbps receive, 1 Mbps send, dedicated connection
- 4 Mbps receive, 1 Mbps send, dedicated connection
- 7 Mbps receive, 1 Mbps send, dedicated connection

(S-z)

(S-z)

(S-z)

- (x) Issued under the authority of Special Permission No. 99-121. Effective date of revised page should have been July 6, 1999.
- (y) Reissued matter filed under Transmittal No. 997, to become effective July 6, 1999.
- (z) Reissued matter filed under Transmittal No. 1000, scheduled to become effective July 6, 1999.

(Filed under Transmittal No. 1003.)

Issued: July 2, 1999

Effective: July 6, 1999

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.3 MEGABIT SERVICE

B. Service Elements (Cont'd)

2. MegaCentral Service

a. MegaCentral Ports (BSE) [1]

The MegaCentral Port is a Port on an ATM switch at the serving wire center or MegaCentral Service Point. This element applies in conjunction with the 1.544 or 44.736 Mbps Private Line Transport MegaCentral Access Link, and the 44.736 Mbps ATM or 155.52 Mbps Optical Access Link.

The types of Ports which may be used with MegaCentral Service are:

- 10BaseT Interface

A 10BaseT interface connects a customer's MegaCentral (hub) location to a MegaCentral Services Access Link. 10BaseT interfaces are available with peak Port speeds of 1.544 Mbps, 3 Mbps, 6 Mbps, or 9 Mbps.

- 100BaseT Interface

A 100BaseT interface connects a customer's MegaCentral (hub) location to a MegaCentral Services Access Link. 100BaseT interfaces are available with peak port speeds of 3 Mbps to 44.736 Mbps, in 3 Mbps increments.

- 1.544 Mbps MegaCentral Port

- 44.736 Mbps MegaCentral Port. This port is capable of terminating MegaCentral Access Links with a bandwidth of 3 Mbps up through 44.736 Mbps, in 3 Mbps increments. [2]

- A 44.736 Mbps ATM Cell Relay Port [1,2]

- 155.52 Mbps ATM Cell Relay Port [1,2]

[1] A 44.736 Mbps or 155.52 Mbps ATM Cell Relay Port may be used by customers with existing ATM Cell Relay Service for a MegaCentral Port.

[2] A minimum of one 3 Mbps bandwidth increment applies for each 44.736 Mbps MegaCentral Port, and for each 44.736 Mbps or 155.52 Mbps ATM Cell Relay Port used for MegaCentral Port.

Certain Material previously found on this page can now be found on page 8-23.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.3 MEGABIT SERVICE

B.2. (Cont'd)

b. MegaCentral Access Links

(C-M)

MegaCentral Access Links are a physical transport facility that transmits data from the customer site to a MegaCentral Service Point within the ATM Network. MegaCentral Access Links can be comprised of ATM Optical Access Links or Private Line Transport Services. If the serving wire center of the MegaCentral customer location is a MegaCentral Service Point, then Private Line Transport Mileage does not apply. Private Line Transport Services Mileage applies if the serving wire center of the MegaCentral customer location is not a MegaCentral Service Point. If the MegaCentral Access Link is a Meet Point arrangement the Transport Mileage will be calculated to the actual ATM switch location.

The types of MegaCentral Access Links are following:

- A 1.544 Mbps, Clear Channel DS1 Private Line Transport Services Channel Termination, as set forth in Section 7, preceding.
- A 44.736 Mbps DS3 Private Line Transport Services Channel Termination, as set forth in Section 7, preceding.
- A 44.736 Mbps or 155.52 ATM Cell Relay Optical Access Link (OAL).

(C-M)

c. Central Office Connecting Channel (COCC)

A COCC provides the ongoing interconnection from the MegaCentral Port to a DS1 or DS3 Service Channel Termination.

d. Service Points

Service Points are geographic locations designated by the Company where the MegaCentral Port can be accessed. The MegaCentral Port utilizes the ATM CRS Service Points which are listed in the National Exchange Carrier Association F.C.C. Tariff No. 4.

(M)

Certain material found on this page formerly appeared on Page 8-22.

Certain material previously found on this page can now be found on Page 8-23.1.

(Filed under Transmittal No. 1017.)

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Effective: September 7, 1999

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.3 MEGABIT SERVICE

B.2. (Cont'd)

e. Bandwidth

Bandwidth transports MegaCentral data transmission through the ATM Network, at rates from 3 Mbps to 44.736 Mbps, in 3 Mbps increments. A minimum of one 3 Mbps increment of MegaCentral bandwidth is required for each 44.736 Mbps MegaCentral Port or for each 44.736 Mbps ATM Port or 155.52 Mbps ATM Port used as a MegaCentral Port.

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(C-M)

(C-M)

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1801 California Street, Denver, Colorado 80202

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.3 MEGABIT SERVICE

B. (Cont'd)

3. MegaBit IDSL

a. Channel Termination

The Channel Termination provides for a data only, 2-Wire, private line path between the Customer designated premises and the serving wire center of that premises. Included as a part of the Channel Termination is a standard interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability. One Channel Termination charge applies at the serving wire center of the Customer's designated premises where the channel terminates.

(S-y)

(S-y)

(y) Reissued matter advanced from May 13, 2000 to April 15, 2000 under Special Permission No. 00-023.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.3 MEGABIT SERVICE (Cont'd)

C. Obligations of the Customer

1. When a customer orders MegaBit Subscriber Service, the customer must provide compatible customer premises equipment (CPE). In addition, the customer must specify the Company-provided flat-rated local exchange Telecommunications Number (TN) to be used.
2. When a customer orders MegaCentral Service, the customer must provide the necessary information (e.g., Data Link Connection Identifier(s), and/or Internet Protocol) to provision MegaCentral Service using Company ATM Cell Relay Service.
3. The customer may request a design change to the service ordered. A design change is any change which requires engineering review. Design changes do not include a change of customer premises, end user premises or MegaCentral Access Link speeds. Changes of this nature will require the issuance of a new order and a cancellation of the original order. Cancellation charges are set forth in 8.1.2, preceding. Changes in MegaBit Subscriber Service and MegaBit IDSL which result in the Service(s) pointing to a different MegaCentral Access Link are design changes and subject to the Design Change charge as set forth in 5.2.2, preceding. Changes requested on the Plant Test Date (PTD) or later will require the issuance of a new order. (S-y)
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(S-y)
4. Changes in MegaBit Subscriber Service and MegaBit IDSL Service speeds will result in a Speed Change Charge as set forth in 8.4, following. (S-y)
(S-y)

(y) Reissued matter advanced from May 13, 2000 to April 15, 2000 under Special Permission No. 00-023.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS (Cont'd)

8.2.4 ATM CELL RELAY SERVICE

ATM Cell Relay Service (ATM CRS) is a connection-oriented communications service that uses Asynchronous Transfer Mode (ATM) technology. The service provides customers with high-speed, low-delay information transfer capacity, which supports applications that require near-real-time mixed media (data, video, image, voice) communications among multiple locations. ATM CRS supports transmission speeds of 1.544 Mbps, 45 Mbps and 155 Mbps.

ATM CRS requires the use of customer terminal equipment that functions as a multiplexer/router/hub or ATM switch. This terminal equipment must be purchased separately from the ATM CRS and must conform to industry standards. The terminal equipment accumulates customer traffic and puts it into a cell relay format suitable for transmission over the ATM CRS Network.

ATM CRS conforms to industry standards and is only provided over fiber optic facilities or other compatible private line facilities, such as Synchronous Service Transport (SST), DS3 Service or DS1 Service. Technical Specifications for ATM CRS are delineated in U S WEST Communications Technical Publication PUB 77378.

A customer may request that the facilities used to provide ATM CRS be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Diversity) are as set forth in Section 11, following.

ATM connectivity between two separate LSS networks and/or between LSS and ATM CRS locations can be used for LSS provisioning. The connection between the LSS/LSS or LSS/ATM CRS locations can be an ATM CRS virtual channel connection (VCC). VCCs for the LSS/LSS or LSS to ATM CRS option are only available as Unspecified Bit Rate Service (UBRS) for Monthly or fixed period service rate plans of 12, 36 and 60 Months. The VCC and UBRS rate regulations and rates are as set forth in 8.3.2 and 8.4.4., following.

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(N)

A. Service Elements

1. Network Interface

The network interface is the point at which a customer's data transmissions first enters the network supporting ATM CRS. It is the point of interconnection between Company communication facilities and customer terminal equipment.

Certain material previously found on this page can now be found on Page 8-24.2.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.4 ATM CELL RELAY SERVICE

A. Service Elements (Cont'd)

2. Optical Access Link (OAL)

An ATM CRS Optical Access Link provides access to the ATM CRS Network, connecting customer facilities at the network interface with a corresponding ATM CRS Cell Transfer element. An ATM CRS Optical Access Link is only available at ATM CRS Service Points. An ATM CRS Optical Access Link may be optioned with 45 or 155 Mbps OAL Protection as set forth in 11., following.

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3. Stand-Alone Optical Access Link (SAOAL)

An ATM CRS Stand-Alone Optical Access Link connects customer facilities to cell relay networks provided by service providers other than the Company. Private line transport mileage and/or a Central Office Connecting Channel (COCC) may be required in conjunction with a Stand-Alone Optical Access Link in order to connect the customer's serving wire center, or node, with the serving wire center, or node of another ATM CRS provider. A Stand-Alone Optical Access Link may be optioned with 45 or 155 Mbps OAL Protection as set forth in 11. following.

4. Port

ATM CRS ports are the physical entry points into the ATM CRS Network for Optical Access Links or other compatible private line facilities, such as Synchronous Service Transport (SST), DS3 Service or DS1 Service. They are the originating and terminating points for Virtual Path Connections and Virtual Channel Connections. Ports include the electronic equipment used in connecting these service elements to the ATM CRS Network. They enable customers to allocate bandwidth to applications at customer-designated transmission speeds of up to 1.5 Mbps, 45 Mbps or 155 Mbps.

The customer may also utilize a 44.736 Mbps MegaCentral Port in lieu of a 44.736 Mbps ATM Cell Relay Port, as set forth in 8.4.3.C., following. Customers will be able to allocate ATM bandwidth to applications at customer-designated transmission speed of 44.736 Mbps for their MegaCentral Port.

5. Service Points

Service Points are geographic locations designated by the Company where the ATM CRS Network can be accessed. The ATM CRS Service Points are listed in the National Exchange Carrier Association FCC Tariff No. 4.

Certain material on this page formerly appeared on Page 8-24.1.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.4 ATM CELL RELAY SERVICE

A. Service Elements (Cont'd)

6. Logical Connections

ATM CRS logical connections function as bidirectional Permanent Virtual Connections (PVCs). ATM CRS will support a point-to-point logical connection configuration between two ports. Logical Connections may be any of three service types: Peak Cell Rate Service, Sustained Cell Rate Service, or Unspecified Bit Rate Service.

(C)
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(C)

a. Virtual Channel Connections (VCC)

A VCC is a logical connection from one ATM CRS Port to another CRS Port within the ATM CRS Network.

VCCs are available as Peak Cell Rate Service and/or Sustained Cell Rate Service, at customer-selected Cell Transfer speed(s), depending on the customer's networking requirements which include appropriate overheads. VCCs are also available as Unspecified Bit Rate Service.

(C)

b. Virtual Path Connections (VPC)

A VPC is a collection of VCCs routed together as one unit, for which the customer has the ability to manage the speeds of the individual VCCs within the customer-designated Cell Transfer element.

VPCs are available as Peak Cell Rate Service, at customer-selected Cell Transfer speed(s), depending on the customer's networking requirements which include appropriate overheads.

c. Logical connections are available at base speeds (e.g. 64 kbps, 1 Mbps, 1.544 Mbps, etc.) determined by the speed of the ATM CRS Port (1.5 Mbps, 45 Mbps or 155 Mbps). The customer selects a base speed for each VCC or VPC they purchase which includes appropriate overheads. The bandwidth for each VCC or VPC is determined by multiplying the base speed by the number of increments of that base speed selected by the customer. Technical Specifications for ATM CRS are delineated in U S WEST Communications Technical Publication PUB 77378.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.4 ATM CELL RELAY SERVICE

A.6. (Cont'd)

Logical connections are available at the following incremental base speeds:

AVAILABLE BASE SPEEDS:

On a 1.544 Mbps Port:

Increments of 64 kbps

Increments of 75 kbps

Increments of 1 Mbps

On a 45 Mbps Port:

Increments of 64 kbps

Increments of 75 kbps

Increments of 1 Mbps

Increments of 1.544 Mbps

Increments of 1.787 Mbps

Increments of 40.7 Mbps

On a 155 Mbps Port:

Increments of 64 kbps

Increments of 75 kbps

Increments of 1 Mbps

Increments of 1.544 Mbps

Increments of 1.787 Mbps

Increments of 40.7 Mbps

Increments of 149 Mbps

(N)

Unspecified Bit Rate Service offers bandwidth increments of 64 kbps and 1 Mbps.

A customer may select multiple logical connections of different service classes on an ATM CRS Port. The speed of a Peak Cell Rate Service logical connection may not exceed the maximum speed associated with its customer-selected incremental base speed which includes appropriate overheads. The speed of a Sustained Cell Rate Service logical connection may not exceed 80 percent of the maximum speed associated with its incremental base speed; e.g., if a customer selects a base speed of 10 Mbps for a Sustained Cell Rate Service logical connection on a 45 Mbps port, the maximum speed for that logical connection may not exceed 80 percent of 10 Mbps, or 8 Mbps.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.4 ATM CELL RELAY SERVICE

A.6. (Cont'd)

The logical connection of an Unspecified Bit Rate Service may not exceed the maximum speed associated with its customer-selected incremental base speed, which includes appropriate overhead. The maximum subscription bandwidth allowed is limited by the number of increments of the base speed selected by the customer. For the 64 kbps service increment, the maximum subscription bandwidth allowed is 23 x 64 kbps, regardless of port speeds. For the 1 Mbps service increment, the maximum subscription bandwidths allowed are: 1 Mbps for the 1.544 Mbps port, 40 Mbps for the 45 Mbps port and 149 Mbps for the 155 Mbps port.

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For Peak Cell Rate Service, a single logical connection configuration is also available. A customer may choose a single 40.7 Mbps logical connection on a 45 Mbps port or a single 149 Mbps logical connection on a 155 Mbps port.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.4 ATM CELL RELAY SERVICE

A. Service Elements (Cont'd)

7. Service Types

ATM CRS logical connections are provided as Peak Cell Rate Service, Sustained Cell Rate Service, or Unspecified Bit Rate Service. The industry standard designation for Peak Cell Rate Service is Service Class A; for Sustained Cell Rate Service it is Service Class C.

(T)
(C)

- Peak Cell Rate Service (PCRS)

PCRS supports VCCs and VPCs carrying a constant flow of information (Constant Bit Rate traffic). The Peak Cell Rate is the customer-selected upper limit for cell traffic on a logical connection which includes appropriate overheads. When cells exceed the Peak Cell Rate for PCRS logical connections, the cells are discarded upon entry into the ATM CRS Network. The Peak Cell Rate of a PCRS logical connection must be less than the speed of the associated port.

- Sustained Cell Rate Service (SCRS)

SCRS supports VCCs carrying information at variable rates (Variable Bit Rate traffic). The Sustained Cell Rate is the average cell rate, including bursts above the average, that can be sustained over an SCRS logical connection. The customer selects the bandwidth characteristics of an SCRS logical connection by choosing the appropriate Sustained Cell Rate which includes appropriate overheads. A customer may also select maximum burst size levels of 32 cells, 100 cells or 200 cells over a SCRS logical connection at a rate equal to a Peak Cell Rate chosen by the customer, or the port speed when no Peak Cell Rate is chosen; however, the average cell rate transmitted for that logical connection must equal the chosen Sustained Cell Rate. The Peak Cell Rate of an SCRS logical connection may equal, but not exceed, the speed of the associated port.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.4 ATM CELL RELAY SERVICE

A.7. (Cont'd)

- Maximum Burst Size

The Maximum Burst Size (MBS) is the maximum number of cells that can be sent at the Peak Cell Rate on a SCRS connection at one time. Sending a burst at MBS will require the connection to reduce its data rate below the SCR for a fixed period of time before the next burst can be sent. The maximum burst size levels available are: 32 Cells (accommodating one Ethernet Frame); 100 Cells (accommodating one Token Ring Frame); and 200 Cells (accommodating one FDDI Frame). The 32 cell burst size will be assigned unless the customer requests a different level. The MBS of 200 Cells will require the customer to purchase a minimum of 4 Mbps of SCRS service for each VCC.

• Unspecified Bit Rate Service (UBRS)

UBRS is a best-effort service designed to support a connection carrying information at variable rates, over VCCs. The UBR Service does not provide traffic related service guarantees, specifically, per-connection bandwidth, cell loss, cell transfer delay and cell delay variation. The Peak Cell Rate, which includes appropriate overheads, is the customer-selected, upper limit of cell traffic on a logical connection. The Peak Cell Rate specifies the highest cell rate that will be allowed on a connection, but not guaranteed. When cells exceed the Peak Cell Rate for UBRS logical connections, the cells are discarded upon entry into the ATM CRS Network. The Peak Cell Rate of a UBRS logical connection, may equal but not exceed the speed of the associated port.

(N)

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.4 ATM CELL RELAY SERVICE

A. Service Elements (Cont'd)

8. Cell Transfer

The Cell Transfer service element transfers information between Network Interfaces connected to the ATM CRS network at speed(s) selected by the customer for VCCs or VPCs. The customer must designate whether the Cell Transfer for each logical connection is PCRS, SCRS or UBRS. (C)

The total speed of Cell Transfer elements on a customer's ATM CRS configuration may not exceed the associated Cell Transfer port speed (1.544 Mbps, 45 Mbps or 155 Mbps).

9. Central Office Connecting Channel (COCC)

A COCC provides the ongoing interconnection from the multiplexer or other Company facility port to an ATM CRS port when a customer accesses ATM CRS via a MegaCentral Port or a private line transport facility which requires multiplexing to be compatible with ATM CRS transmission speeds or requires port-to-port connectivity. A COCC may be used to connect a Stand-Alone Optical Access Link to a private line transport facility. The COCC provides connectivity up to 1.544 Mbps, or up to 45 Mbps or up to 155 Mbps.

10. 45 or 155 Mbps OAL Protection Option

45 or 155 Mbps OAL Protection provides added reliability to ATM CRS transported over fiber optic facilities. This feature provides a separate facility path within the same conduit, cable, sheath, etc. for the protection system between the Serving Wire Center and the network interface. The 45 or 155 Mbps OAL Protection does not provide for diverse facilities into the building. A customer may request that the facilities used to provide ATM CRS be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Diversity) are as set forth in Section 11, following.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.4 ATM CELL RELAY SERVICE

A.10. (Cont'd)

(T)

This added protection is provided by ensuring that backup electronics and two logically separate facility paths are used in the provisioning of the service. One primary (or working) service path is established between the Serving Wire Center and the customer designated premises. In addition, a protect path is provisioned between the customer designated premises and the Serving Wire Center. In the event that the working facility or electronics fail, or the service performance becomes impaired, i.e., the bit error rate degenerates to less than or equal to 10^{-6} , the facility automatically switches to the service protect path in order to maintain a near continuous flow of information between locations.

The offering of 45 or 155 Mbps OAL Protection contemplates the use of existing facilities. Facilities requiring Special Construction will be provided under Tariff F.C.C. No. 2.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS (Cont'd)

8.2.5 LOCAL AREA NETWORK SWITCHING SERVICE

Local Area Network (LAN) Switching Service (LSS) is a transport service designed to interconnect LSS interfaces between customer-designated premises. LSS provides a specific amount of bandwidth over the Company's ACS Network using ATM technology. LSS supports both point-to-point and multipoint interconnectivity of Ethernet LANs (i.e., a data rate of 10 Mbps), Fast Ethernet LANs (i.e., a data rate of 45 Mbps or 100 Mbps) or Token Ring LANs (i.e., a data rate of 16 Mbps).

LSS data is transported over 45 Mbps and 155 Mbps fiber optic facilities using ATM technology. Company wire centers equipped with ATM technology are identified in the National Exchange Carrier Association Tariff, F.C.C. No. 4.

LSS connectivity is established by provisioning permanent virtual circuits through the Company's ATM technology. The customer may specify an unprotected LSS transport option which provides a single fiber pair from the Company's ATM equipped wire center to the network interface at the customer-designated premises or a protected LSS transport option which provides a standby fiber pair that is automatically activated if the first fiber path fails. An LSS customer may request Special Facilities Routing as set forth in 11.1.A.1., following.

LSS also supports the provisioning of ATM connectivity between two separate LSS networks and/or between LSS and ATM CRS locations. The connection between the LSS/LSS or LSS/ATM CRS locations can be an ATM CRS virtual channel connection (VCC). VCCs for the LSS/LSS or LSS to ATM CRS option are only available as Unspecified Bit Rate Service (UBRS) for Monthly or fixed period service rate plans of 12, 36 and 60 Months. The VCC and UBRS rate regulations and rates are as set forth in 8.3.2 and 8.4.4., following.

(N)
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(N)

A. Service Elements

1. Network Interface

The Company network interface is the point of interconnection between Company communications facilities and terminal equipment or other customer-provided facilities. The network interface is the point of demarcation on the customer's premises where the Company's responsibility for the provision of LSS ends.

Technical Specifications for LSS are delineated in U S WEST Communications Technical Publication PUB 77396.

8. ADVANCED COMMUNICATIONS NETWORKS

8.2 SERVICE DESCRIPTIONS

8.2.5 LOCAL AREA NETWORK SWITCHING SERVICE (Cont'd)

B. LAN Link

The LAN Link provides the customer access to the Company's network supporting LSS. A LAN Link includes an NI and the related fiber optic facility. A customer may select a 16 Mbps LAN Link for Token Ring, or a 10 Mbps Ethernet, 45 Mbps Fast Ethernet Lite, or 100 Mbps Fast Ethernet LAN Links. A customer may order Unprotected or Protected LAN Links. Unprotected and Protected LAN Links both provide a dedicated fiber path between the Network Interface and the Company's network. Unprotected LAN Links provide a single fiber path, while protected LAN Links provide a standby fiber path that is automatically activated if the first fiber path fails. An LSS customer may request Special Facilities Routing as set forth in 11.1.A.1., following. An LSS LAN Link is only available at ATM CRS Service Points.

(S-y)
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(S-y)

C. Remote LAN Link

A Remote LAN Link is used for LSS access where ATM technology is not available. A customer may select a 10 Mbps Ethernet, 45 Mbps Fast Ethernet, or 16 Mbps Token Ring.

(T)

D. Virtual Circuits

LSS connectivity between customer-designated premises is accomplished by provisioning LSS NIs to Permanent Virtual Circuits through the Company's ATM technology.

E. Service Point

Service Points are ATM geographic locations designated by the Company where LSS accesses the ATM technology.

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(Filed under Transmittal No. 1008.)

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Effective: August 10, 1999

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.1 GENERAL

A. Public Packet Switching Network

1. The minimum service period for PPSN monthly rate categories is one month. The minimum period for Public Packet Switching Pricing Plan is 12 months.
2. For dial access, the minimum usage per call for the Network Connection Time is one minute.
3. The minimum usage per call for Packet Transport is one segment.
4. The minimum charge for all Private Line Transport Services channels connected to PPSN is as specified in Section 7, preceding.

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Certain material on this page formerly appeared on Page 8-25.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.1 GENERAL (Cont'd)

B. Frame Relay Service

1. A customer may access Frame Relay Service via an FRS Access Link, or, in lieu of the FRS Access Link, a Private Line Transport 56 or 64 kbps interface or any 1.544 Mbps interface in Section 7 and/or Section 15, or an EICT DDS or EICT 1.544 Mbps or ITP 1.544 Mbps in Section 21. Regulations, rates and charges for Section 7 Channel Terminations, Transport Channels and Optional Features and Functions shall apply in addition to the regulations, rates and charges associated with the FRS. A customer utilizing Section 7 Private Line Transport Service Channel Termination or a EICT DDS, EICT 1.544 Mbps or ITP 1.544 Mbps from Section 21, in lieu of the FRS Access Link, would not incur the nonrecurring charge or monthly rate for a FRS Access Link, but would incur all other monthly rates and nonrecurring charges normally associated with the ordering, installing and provisioning of FRS, e.g., Information Transfer as set forth in this section. (C)
2. A subsequent PVC order is required when a customer chooses to add PVC(s), change PVC assignments or change the CIR on an existing PVC after the initial port installation. One nonrecurring subsequent PVC order charge applies in addition to the nonrecurring charge for each subsequent PVC(s) ordered. When more than one PVC is ordered or changed on the same customer service configuration at the same time, only one subsequent order charge applies. (C)
3. An FRS Access Link is available as a component of FRS or as a Stand-Alone Access Link offering which connects customer-premises facilities to frame relay service networks provided by service providers other than the Company. When a Stand-Alone Access Link is ordered, Transport Channel mileage may apply, as applicable, at rates set forth in Section 7.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.1 GENERAL (Cont'd)

C. MegaCentral Service

1. MegaCentral Service must be initially ordered as one of the fixed service periods as set forth in 8.3.3; however, at the completion of the initial fixed period, the customer may elect the month-to-month option for that service configuration, or may elect any of the fixed service periods.

D. ATM Cell Relay Service

1. The initial order for ATM CRS must be for a fixed period of one year (12 Months), two years (24 Months), three years (36 Months), four years (48 Months), five years (60 Months), six years (72 Months) or seven years (84 Months), as set forth in 8.3.3. At the end of the initial service period, the service may be obtained on a month-to-month basis or for any of the specified fixed service periods[1].

2. A subsequent order to add ATM CRS Optical Access Links and/or logical connections (VCCs or VPCs) to an existing fixed period service pricing plan must be for a fixed period of one year (12 Months), two years (24 Months), three years (36 Months), four years (48 Months), five years (60 Months), six years (72 Months) or seven years (84 Months), or for the remainder of the existing fixed period service pricing plan, provided the remainder of the existing plan is at least the minimum period for that plan, as set forth in 8.3.3.D.[1]. If the remaining term is less than the associated minimum period, the minimum term for the added Access Link and/or logical connections shall be the associated minimum period.

3. A customer may access ATM CRS via an Optical Access Link or via Company-provided digital PLTS. A customer utilizing PLTS to access ATM CRS does not incur a nonrecurring charge or monthly rate for an ATM CRS Optical Access Link, but does incur a monthly rate and a nonrecurring charge for a Central Office Connecting Channel and all other monthly rates and nonrecurring charges normally associated with the ordering, installing and provisioning of ATM CRS, as set forth in 8.4.

- [1] If an existing customer, with an existing Fixed Period Service Rate Plan, places a subsequent order to add an Optical Access Link at the same customer premises where fiber facilities are currently available, the new Optical Access Link may be initially ordered as month-to-month.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.1 GENERAL (Cont'd)

E. Moves

A move involves a change in the physical location of one of the following:

- The network interface at the customer's premises
- The customer's premises

The charges for the move are dependent upon whether the move is to a new location within the same building or to a different building.

1. Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half of the nonrecurring charge for the service termination affected. There will be no change in the minimum period requirements.

2. Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the moved services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service. Moves to a different building for FRS customers may be eligible for portability, as described in 8.3.3.B.6., following. As of the effective date of this Tariff, May 29, 1995, moves to a different building with an upgrade in transmission speed for customers subscribing to pricing plans in this Section will be subject to the Termination Liability and Waiver Plan as set forth in 8.3.4. FRS customers who subscribe to Pricing Plans in effective as of November 14, 1994 and who move to a different building, may be eligible for the phased-in installation rates and charges regulations as set forth in 8.3.3.B.2., following.

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(C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.1 GENERAL (Cont'd)

F. Frame Relay Service (FRS), MegaBit Service and ATM Cell Relay Service (ATM CRS) (C)

1. Service Rearrangements

Service rearrangements are changes to existing service which do not result in a change in the physical location of the network interface. Changes in the physical location of the network interface are treated as moves as described in E., preceding.

- a. For additions to existing service, nonrecurring charges associated with the added service element will apply.
- b. Related monthly rates and nonrecurring charges for addition(s) to service are the rates and charges in effect at the time of the addition(s).
- c. With the exception of PVCs, VCCs, and VPCs, an addendum to the existing fixed period plan is required when service elements are added to an existing fixed period plan. PVCs, VCCs, and VPCs may be added to existing fixed period plans on a month-to-month basis without an addendum to the existing fixed period plan.
- d. When PVCs are added to an existing FRS, or VCCs or VPCs are added to an existing ATM CRS, the minimum period is one month.
- e. A subsequent PVC, VCC or VPC order charge, as set forth in 8.3.1.B.2. and D.2., preceding, will apply to add or change PVC, VCC or VPC assignments.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.1 GENERAL

F. Frame Relay Service (FRS), MegaBit Service and ATM Cell Relay Service (ATM CRS) (Cont'd) (C)

2. Administrative Changes

Administrative changes to existing service will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name; i.e., the customer of record does not change but rather the customer of record changes its name; e.g., XYZ Company to XYZ Communications,
- Change of customer premises address when the change of address is not a result of a physical relocation of facilities,
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer contact name or telephone number,
- Change of customer service element identification, and
- Change in jurisdiction for FRS, MegaBit Service and ATM Cell Relay Service. (C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS (Cont'd)

8.3.2 RATE ELEMENTS

A. Public Packet Switching Network

There are four rate categories which may apply to the PPSN Service:

- PSSP, PSN, and Private Dial Port Access Connection (C)
- Network Usage (Including Dial Access)
- Port Features and Basic Service Elements (BSEs)
- Rearrangement Charge

In addition, the rates and charges for Private Line Transport Service, as described in Section 7, preceding, apply for each private line channel between a customer's designated premises and a PSSP or PSN port. The appropriate vendor's rates apply for circuit switched calls to dial access ports. In addition, rates and charges for exchange services are not included.

1. PSSP, PSN, and Private Dial Ports Access Connections (C)

The Access Connection, Access Port rate category provides a dedicated connection at a PSSP or PSN. The Private Dial Access port provides for a local exchange switched connection at the PSSP. There are two types of dedicated access ports, the PSSP Access Port described in a., following, and the PSN Access Port described in b., following. The Private Dial Access Port is described in c., following. (C)

- a. PSSP Access Port provides the customer with a dedicated analog or digital access through a modem or Data Service Unit (DSU) to a port on a PSSP. Transmission speeds of 2.4, 4.8, 9.6, and 56 kbps with X.25 protocol are available. (C)

(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

A.1. (Cont'd)

- b. PSN Access Port provides the customer with dedicated analog or digital access through a modem or DSU to a port on the PSN. Transmission speeds of 9.6 or 56 kbps with X.25 or X.75 protocols are available.
- c. Private Dial Access port provides the customer with an analog access, via the public switched network, to a port on a PSSP. Transmission speeds of 300 and 1200 bps and 2.4 and 9.6 kbps with X.3, X.28, X.29 asynchronous protocol and 9.6 kbps with X.32 synchronous protocol are available.

(D)

2. Network Connect Time (Dial Access Only)

(C)

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Dial Access Usage provides for the use of a Dial Access Port other than Private Dial Access Ports, from the time the call is connected until it is terminated. The usage is billed to the terminating network address of the PPSN dial access call on a per minute of connect time basis rounded up to the next whole minute. Usage will be rated at the day rate for that portion of the call in effect during the day rate period (6:00 a.m. 6:00 p.m.) and at the night rate for the portion of the call in effect during the night rate period (after 6:00 p.m. and before 6:00 a.m.) as measured at the Signaling Network Control Center, Denver, Co.

(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

A.2.(Cont'd)

(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

A. Public Packet Switching Network (Cont'd)

3. Port Features and BSEs

The PSSP and PSN Access customers may select the following port features and BSEs. Some of these features and BSEs are offered at no additional monthly charge. See C., following.

- a. Access (Asynchronous Only) - One of these three must be selected:
 - (1) Incoming Calls Barred - The access port is prevented from accepting incoming virtual calls.
 - (2) Outgoing Calls Barred - The access port is prevented from placing outgoing virtual calls.
 - (3) Two Way Access - The access port is capable of accepting incoming and placing outgoing calls.
- b. Auto Call (Asynchronous only) - Allows the subscriber to access a single, predefined address in lieu of the normal call initiation process. The port may be limited to the sole access of this single address. Where available, the subscriber may override the "Auto Call" option and call another address.
- c. Call Redirection (BSE) (Asynchronous and X.25) - At a customer request or in the event of a port failure calls will be directed to a single alternate address. This feature requires the customer to have an alternate port and line designated for this purpose. This feature works automatically concurrent with call initiation.
- d. Closed User Group (CUG) (BSE) (Asynchronous, and X.25) - Provides transmission via virtual channels among several specific network addresses arranged into a subnetwork. Each network address may be arranged in a CUG with as many as 10 CUG's available per subscribing host. CUG options are:
 - (1) CUG Incoming Access Barred (BSE) - Allows a member of the CUG to originate calls to other members of that CUG, but not receive incoming calls from members of that CUG.

Certain material previously found on this page can now be found on Pages 8-35 and 8-36.
Certain material on this page formerly appeared on Page 8-9.

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Effective: May 29, 1995

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

A.3.d. (Cont'd)

- (2) CUG with Incoming Access - Allows a member of a CUG to receive incoming calls from any Data Terminal Equipment (DTE) not in that CUG or from any DTE within that CUG with the "CUG with Outgoing Access" feature.
- (3) CUG Outgoing Access Barred (BSE) - Allows a member of a CUG to receive calls from other members of that CUG, but not originate any calls to members of the CUG.
- (4) CUG with Outgoing Access - Allows a member of a CUG to make outgoing calls to any DTE not in that CUG and to any DTE within that CUG with the "CUG with Incoming Access" feature.
- (5) CUG Access Only - No incoming or outgoing calls allowed outside of that CUG.
- e. Fast Select Acceptance (BSE) (Asynchronous and X.25) - Permits the request of up to 124 octets of user data in the call initiation packet and acceptance of up to 124 octets of data in the call termination packet. Additional data packets can be accepted following the acceptance of the call initiation packet.
- f. Flow Control Parameters (BSE) (Asynchronous, X.25 and X.75) - Permits negotiation on a per call basis of the flow control parameter window size for each direction of data transmission in the network. Window size values of two through seven are supported. Default value is two. Maximum packet size of 256 octets is supported. Default packet size is 128 octets.
- g. Link Level Parameters (X.25 and X.75) - Allows the subscriber to specify link level, acknowledgment timer, number of retransmission attempts, and frame size.
- h. Logical Channel (BSE) (X.25 and X.75) - Allows the DTE to derive multiple logical channels from a single physical access line. This is accomplished by specifying the logical channel number on every packet which crosses the Network interface.

Certain material previously found on this page can now be found on Page 8-36.
Certain material on this page formerly appeared on Page 8-10.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

A.3.(Cont'd)

- i. Logical Channel Layout (BSE) (X.25 and X.75) - Permits the arrangement of logical channels to be configured as incoming, outgoing, two way and/or Private Virtual Circuit (PVC).
- j. Mnemonic Addressing (BSE) (Asynchronous, and X.25) - Allows the subscriber to access predefined addresses by utilizing a predesignated alphanumeric unique character(s) in lieu of the normal call initiation process. The port is not limited to sole access of this single address when normal call initiation procedures are followed.
- k. Multiple Port Hunt Groups (BSE) (Asynchronous, and X.25) - A group of access ports with a single data network address. The Maximum number of ports available per hunt group is 16.
- l. Multiple Network Addresses (BSE) (X.25 only) - One address is included with the port. More than one network address may be assigned to a single access port. Multiple addresses may be purchased in blocks of 10.
- m. Network Terminal Profile (Asynchronous only) - Permits assignment of a profile representing the X.3, X.28 and X.29 parameter configuration of the user's asynchronous terminal.
- n. Nonstandard Window Size (BSE) (Asynchronous, X.25 and X.75) - Permits the customer to select a window size of two through seven for either or both directions of transmission. Standard default value is two.
- o. Permanent Virtual Circuit (BSE) (Asynchronous, X.25 and X.75) - Permits transmission between two Data Terminal Equipment (DTEs) on the network without the initial packet to establish the call. The transmission path is predefined throughout the network. The default window size for both directions of transmission is two.
- p. Reverse Charge Option (BSE) - Allows for the billing of usage charges associated with calls to be billed to the terminating network address.

Certain material previously found on this page can now be found on Page 8-46.
Certain material on this page formerly appeared on Page 8-11.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

A.3.(Cont'd)

- q. Reverse Charge Acceptance (BSE) (Terminating Calls) - Customers who select this option will accept the charges for all calls sent to the network address(es) assigned to the customer. In order to receive calls from a dial access customer, this option must be selected.
- r. Throughput Class Negotiation (X.25 and X.75) - Permits negotiation on a per call basis of the throughput class for each direction of data transmission.
- s. X.25 Gateway Option (BSE) - Provides the ability to route calls to a private X.25 network on the PPSN using the first three or six digits of the destination address. It is the responsibility of the private network to route calls to the specific destination address. This feature allows a private network to assign individual addresses to end users while having a single interconnection to the Company over which traffic will be delivered. The X.25 Gateway Option is available for either three- or six-digit screening and will be provided on PSN X.25 ports only.
- t. Default Throughput Class - Permits a default value to be used for the throughput class for each direction of data on a per call basis.
- u. Fast Select - Permits a user to transmit data prior to the establishment of a virtual circuit. Users may send up to 128 octets (bytes) of data along with a call request packet. In similar fashion, the called party may respond immediately with up to 128 octets (bytes) of data when accepting the call or requesting call clearance.
- v. Nonstandard Packet Size - A feature which permits the customer to select a packet size up to 256 octets (bytes). The default value is 128 octets (bytes).

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4. Rearrangement Charge

When any feature or group of features listed in 8.4.1.C., following, is added or changed subsequent to initial subscription, a rearrangement charge, as set forth in 8.4.1.D., following, will apply, in addition to the nonrecurring charge associated with each feature added or changed.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS (Cont'd)

B. Frame Relay Service

1. Access Link

(T)

A nonrecurring charge and monthly rate, based on the speed of the Access Link (i.e., 56 or 64 kbps, 2-Wire 128 kbps, or 1.544 Mbps), apply per Access Link for each physical connection to the network supporting FRS.

(T)

In lieu of an FRS Access Link, a Private Line Transport DS3 Service Channel Termination (CT) with Clear Channel Capability, as set forth in Section 7, is used to provide access to a 44.736 Mbps Information Transfer. The DS3 Service CT provides access to the ACS Frame Relay Network switch via a connection between customer facilities at the network interface and an Information Transfer. FRS switch locations are designated by the Company and are identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

2. Stand-Alone Access Link

A nonrecurring charge and a monthly rate, based on the speed of the Stand-Alone Access Link, apply per Stand-Alone Access Link for the physical connection between a customer's facilities and a frame relay service network provided by a service provider other than the Company. In addition to this rate element, PLTS Transport Channel mileage may apply, at the rates set forth in Section 7., preceding.

(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

B. Frame Relay Service (Cont'd)

3. Information Transfer (UNIT or NNIT)

A monthly rate, based on the speed of the port and the number of PVCs assigned to the port, applies per port for each FRS Access Link or digital private line connection to the network supporting FRS. A "First PVC" nonrecurring charge applies for the first unidirectional PVC ordered on an FRS Port. An "Each Additional PVC" nonrecurring charge applies for each additional unidirectional PVC ordered on the same FRS Port as the first PVC. For subsequent installations (order request after initial installations), a subsequent nonrecurring order charge applies, in addition to the "Each Additional PVC" nonrecurring charge, when PVCs are added, PVC assignments are changed, or CIR is changed on an existing PVC. In addition, private line transport charges may apply for NNIT, as set forth in Section 7 of this Tariff.

4. Transport Channel

The Transport Channel rate element provides for the transmission facilities between the serving wire center associated with the customer designated premises and a FRS Service Point or an FRS Switch; or between an EICT or ITP and a FRS Service Point. The Transport Channel is portrayed in mileage bands. Two rates apply for each band -- a flat rate per band and a rate per mile. The sum of the two rates constitutes the Transport Channel rate element. The rates, set forth in Section 7, apply according to the speed of the Access Link (i.e., 56 kbps, 64 kbps, or 1.544 Mbps) or the speed of the Channel Termination (i.e., 56 kbps, 64 kbps, 1.544 Mbps, or 44.736 Mbps).

(C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

B. (Cont'd)

5. Central Office Connecting Channel (COCC)

A nonrecurring charge and a monthly rate apply per COCC connection between a multiplexer and a FRS Port or between a Company facility port and a FRS Port when used for port-to-port connectivity.

6. Optional Features and Functions

a. Utilization Information Report

When a Utilization Information Report is requested on a monthly basis, a monthly rate and nonrecurring charge apply. When a Utilization Information Report is requested on an individual, one-time basis, a nonrecurring charge applies.

b. Customer Network Management

A monthly rate and a nonrecurring charge apply per customer-provided network management terminal equipment (workstation) designated to access the CNM optional feature. The customer must provide the Company with a registered address for each customer-provided workstation designated to access CNM. A nonrecurring charge applies for the initial setup of each workstation registered address designated to access CNM. A subsequent nonrecurring charge applies to change a workstation registered address in the CNM or to add CNM to existing FRS. When CNM is added to existing FRS, the subsequent nonrecurring charge applies, in addition to the initial setup nonrecurring charge.

c. Multicast

A First and/or Each Additional nonrecurring charge applies per port to establish each Multicast-dedicated PVC. This charge is in addition to the subsequent order charge and other nonrecurring charges and monthly rates associated with the UNIT. A "First" nonrecurring charge applies for the first unidirectional Multicast-dedicated PVC ordered on an FRS Port. An "Each Additional" nonrecurring charge applies for each additional unidirectional Multicast-dedicated PVC ordered on the same FRS Port, installed at the same time (same due date) as the first Multicast-dedicated PVC, and for the same customer of record.

Certain material on this page formerly appeared on Page 8-36.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

B.6.(Cont'd)

d. Priority PVC

A nonrecurring charge applies per UNIT PVC to establish priority designation and is in addition to the rates and charges for the UNIT PVCs with which priority is associated. A monthly rate, based on the speed of the UNIT, applies per Unit Priority PVC.

e. Fault Tolerant Service

A Frame Relay UNIT Initial Service Establishment nonrecurring charge applies to establish Fault Tolerant Service. The UNIT speed must be equal to or greater than the highest UNIT speed of the designated primary connection (e.g., if the interruption occurs on a 1.544 Mbps UNIT, the backup UNIT must be 1.544 Mbps or greater). A Subsequent Service Establishment nonrecurring charge applies to add primary site(s) to a previously established Fault Tolerant backup. In addition, the Fault Tolerant Service UNIT monthly rate for a 56/64 kbps, 1.544 Mbps or 44.736 Mbps UNIT with 0 PVCs applies. A customer must also purchase access to the Frame Relay UNIT (e.g., an Access Link). When a customer request is received to activate the Fault Tolerant Service to reroute the customer's primary PVCs to the backup, then subsequently restore the service to the primary PVCs, one Activation and Restoral nonrecurring charge also applies.

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(T)

f. Video PVC

A nonrecurring charge and a monthly rate, based on the Committed Information Rate of the Video PVC, apply, per PVC, to add the Video PVC feature to customer-designated PVC(s). This rate and charge are in addition to the basic FRS 1.544 Mbps PVC rates and charges for the designated PVC(s).

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

C. MegaBit Service (Cont'd)

1. MegaBit Subscriber Service Charge[1]

A nonrecurring charge and a monthly rate apply per termination. If a customer requests a different ADSL speed and/or a change in their designated MegaCentral location, a change charge for Speed/Destination Channel Change applies per order. If a customer changes from a dedicated connection to a per session connection or vice versa, a change charge for Change from Dedicated to Per Session Connection applies. Rates and Charges for MegaBit Subscriber are set forth in 8.4.3, following.

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(S-y)

[1] When a change in speed or destination channel is requested at the same time as a change from a dedicated to a shared connection, or vice versa, only the higher of the MegaBit Subscriber Change Charges applies.

(S-y)

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(S-y)

(x) Issued under the authority of Special Permission No. 99-121. Effective date of revised page should have been July 6, 1999.

(y) Reissued matter filed under Transmittal No. 997, to become effective July 6, 1999.

(z) Reissued matter filed under Transmittal No. 1000, scheduled to become effective July 6, 1999.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

C. MegaBit Service (Cont'd)

2. MegaCentral Service

a. Port (BSE)

A nonrecurring charge and monthly rate apply for each 1.5 Mbps MegaCentral Port. For a 44.736 Mbps MegaCentral Port, a nonrecurring charge and monthly rate apply for the initial Port and an additional recurring rate applies for each bandwidth increment of 3 Mbps.

b. Access Link

The rates and charges for other Company-provided services used as access links for MegaCentral Service are in addition to the rates and charges for the MegaCentral Port. A DS1 Service and/or DS3 Service channel termination may be purchased by the customer, as set forth in Private Line Transport Services Section 7, preceding. An ATM Cell Relay Service 44.736 Mbps Optical Access Link may be purchased by the customer, as set forth in 8.2.4, preceding.

(T)

c. Port Change Charge

(T)

A nonrecurring charge applies each time a customer changes bandwidth on a MegaCentral or ATM CRS Port, subsequent to the initial installation, e.g., for a change from 3 Mbps to 9 Mbps, one change charge applies. A nonrecurring charge also applies when adding or changing MegaCentral bandwidth increments to an existing 44.736 Mbps or 155.52 Mbps ATM Cell Relay Port.

(C)

An upgrade of port speeds 1.544 Mbps, 44.736 Mbps, or 155.52 Mbps requires a change of Access Link as well and will be considered a discontinuance of one service and establishment of new service.

Downgrades in port speeds 1.544 Mbps, 44.736 Mbps, or 155.52 Mbps requires a change of Access Link as well and will be considered a discontinuance of one service and establishment of new service. In addition Termination Liability and Waiver Policy will be applicable for downgrades.

(C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

C.2. (Cont'd)

d. Central Office Connecting Channel (COCC)

One Central Office Connecting Channel nonrecurring charge and monthly rate applies per connection. The rates and charges for a DS1 Service COCC are set forth in Section 7.11, preceding; the rates and charges for a DS3 Service COCC are set forth in Section 7.12, preceding.

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e. Bandwidth

A monthly rate applies for each 3 Mbps increment of Bandwidth, up through 45 Mbps. A minimum of one 3 Mbps increment of Bandwidth applies for each 45 Mbps MegaCentral Port.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS (Cont'd)

D. ATM Cell Relay Service

(T)

1. Optical Access Link (OAL)

A nonrecurring charge and monthly rate, both based on the speed of the OAL (45 Mbps or 155 Mbps), apply per OAL for each physical connection to the ATM CRS Network. The OAL may be optioned with 45 Mbps or 155 Mbps Protection. In lieu of an Optical Access Link, a Private Line Transport DS1 Service Channel Termination (CT) with Clear Channel Capability, as set forth in Section 7, preceding, is used to provide access to a 1.544 Mbps Cell Transfer. The DS1 Service CT provides access to the ACS ATM CRS Network switch via a connection between customer facilities at the network interface and a Cell Transfer service element. ATM switch locations are designated by the Company and are identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

2. Stand-Alone Optical Access Link (SAOAL)

A nonrecurring charge and monthly rate, both based on the speed of the SAOAL (45 Mbps or 155 Mbps), apply per SAOAL. The SAOAL may be optioned with 45 Mbps or 155 Mbps Protection.

3. Cell Transfer

A "First" nonrecurring charge per port applies for the first logical connection (VCC or VPC) on an ATM CRS configuration. An "Each Additional" nonrecurring charge applies for each additional logical connection ordered on the same ATM CRS Port, installed at the same time (same due date) for the same customer of record as the first logical connection. A Cell Transfer fixed nonrecurring charge also applies per port, based on the port speed. A Cell Transfer fixed monthly rate applies, based on the port speed, for each ATM CRS OAL, or Synchronous Service Transport (SST), or DS3 connection to the network supporting ATM CRS. A variable, or incremental, monthly rate applies per port for the total bandwidth of all logical connections, based on the service type (PCRS, SCRS or UBRs) of the connections, the speed of the port and the number of 64 kbps, 75 kbps 1 Mbps, 1.544 Mbps, 1.787 Mbps, 40.7 Mbps or 149 Mbps increments of bandwidth, or fraction thereof, provided on the connections.

(C)

Bandwidth increments of 75 kbps, 1.787 Mbps, 40.7 Mbps, and 149 Mbps are not available with SCRS. Bandwidth increments of 75 kbps, 1.544 Mbps, 1.787 Mbps, 40.7 Mbps and 149 Mbps are not available with UBRs.

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(N)

(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS

D.3. (Cont'd)

A SCRS Maximum Burst Size monthly rate applies per VCC based on the cell level of 100 or 200. In addition, the Maximum Burst Size of 200 Cells requires the customer to purchase a minimum of 4 Mbps of SCRS for each VCC.

A nonrecurring charge applies for each subsequent order to add or to change logical connections on an existing ATM CRS configuration, in addition to the "First" and "Each Additional" nonrecurring charges for the logical connections in the subsequent order.

"First" nonrecurring charge applies for the first logical connection VCC on an LSS/LSS or LSS/ATM CRS configuration. "Each Additional" nonrecurring charge applies for each additional logical connection ordered on the same LSS/LSS or LSS/ATM CRS configuration, installed at the same time (same due date) for the same customer of record as the first logical connection. A nonrecurring charge applies for each subsequent order to add or to change logical connections on an existing LSS/LSS or LSS/ATM CRS configuration, in addition to the "First" and "Each Additional" nonrecurring charges for the logical connections in the subsequent order.

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(N)

4. Central Office Connecting Channel (COCC)

A nonrecurring charge and a monthly rate apply per COCC, per speed of up to 1.544 Mbps, up to 45 Mbps, or up to 155 Mbps.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.2 RATE ELEMENTS (Cont'd)

E. LAN Switching Service

1. LAN Link

A nonrecurring charge applies per LAN Link termination for each physical connection to the Company's ATM technology. The monthly rate is assessed per LAN Link based upon the speed of the LAN Link (i.e., 10 Mbps, 45 Mbps, 100 Mbps or 16 Mbps) and whether the LAN Link is protected or unprotected. LAN Link rates and charges are set forth in 8.4.5, following.

2. Remote LAN Link

A nonrecurring charge applies per Remote LAN Link termination for each physical connection to the Company's ATM technology. The monthly rate is assessed per Remote LAN Link based upon the speed of the Remote LAN Link (i.e., 10 Mbps, 45 Mbps, 100 Mbps or 16 Mbps). When a customer accesses LSS via a Remote LAN Link, Transport Mileage, as set forth in 3, following, applies in addition to the monthly rate for the Remote LAN Link. Remote LAN Link rates and charges are set forth in 8.4.5, following.

3. Transport Mileage

Transport Mileage rate category provides for the transmission facilities between an ATM-equipped wire center and a non-ATM-equipped serving wire center associated with a customer designated premises. Transport Mileage is portrayed in mileage bands. There are two elements that apply for each band, i.e., a flat rate per band and a rate per mile. Transport mileage is measured as set forth in 7.1.1, preceding. Transport Mileage rates and charges are set forth in 8.4.5, following.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS (Cont'd)

8.3.3 PRICING PLANS

A. Public Packet Switching Pricing Plan

PPSN may be ordered at the customer's option on a month-to-month basis or for fixed periods of 3 years (36 months) or 5 years (60 months). The optional rate plan allows the PPSN customer to order this service with the assurance that there will be no increases in rates during the fixed period. The optional rate plans apply to the PSSP Access Port, PSN Access Port, Private Dial Access, and Logical Channel rate elements.

1. Fixed Period Service Rate Plans

The customer may subscribe to a 36 or 60 month fixed period service rate plan. The minimum service period for fixed period service is twelve months. The customer must specify the length of the fixed period service at the time the service is ordered.

For customers that subscribe to fixed period service of 36 or 60 months, the monthly rates for the entire fixed period will be frozen from Company-initiated increases, at the rates in effect for the fixed period on the service date.

All rate elements of a PPSN service to be included in a fixed period service must be ordered under the same term conditions (i.e., all 36 months or all 60 months) and with the same negotiated service date.

Ports and Logical Channels may be added to an existing fixed period on a month-to-month basis or under the same fixed period rate plan as the existing PPSN, but at the rates and charges in effect at the time of the addition.

Certain material previously found on this page can now be found on Page 8-41.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

A.1. (Cont'd)

At the end of the fixed period service, the customer may convert to month-to-month or subscribe to a new fixed period service. The monthly rates will be adjusted to those in effect for the new fixed period service. Should the customer not make a choice by the end of the fixed period, the rates will automatically revert to the month-to-month option.

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If a rate decrease occurs during the term of an existing fixed rate plan contract, the reduced rates will automatically be applied to the remaining term of the current contract period.[1]

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(C)

2. Upgrades In Rate Plan

Services rated as month-to-month may be upgraded to a fixed period service rate plan at any time the customer chooses without incurring nonrecurring or discontinuance charges, this includes ports and logical channels added subsequently to an existing fixed period rated service but rated as month-to-month (see 1., preceding). In addition, customers rated under the 36-month plan may upgrade to the 60-month plan without incurring nonrecurring or discontinuance charges. The monthly rates will be those that are in effect at the time the service is upgraded. New minimum service periods apply to all upgrades.

New minimum service period applies to all Packet Switching Pricing Plan rate elements that are upgraded in the following manner:

- If the service being upgraded has been in place for more than 12 months, minimum period provisions will not apply, or
- If the service being upgraded has been in place for less than 12 months, the time in service will be applied against the minimum period term.

[1] Effective September 1, 1998, customers establishing a Fixed Period Rate Plan, will not receive a rate decrease if the Company decreases rates during the term of the plan. Fixed Period Rate Plans established on or before August 31, 1998, will automatically receive a rate decrease if the Company decreases rates during the term of the plan.

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Certain material found on this page formerly appeared on Page 8-40.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

A. Public Packet Switching Pricing Plan (Cont'd)

3. Upgrades in Service[1]

Should the customer choose to upgrade either a portion of or the entire service under the fixed period service rate plan to a faster port speed, or asynchronous to synchronous, or analog to digital, or Private Dial to PSSP or PSN (same speed or faster speed), discontinuance charges will not apply, provided all the following conditions are met:

- The new service (e.g. 9.6 kbps to 56 kbps) service is provided by the Company,
- The order for the disconnect of the fixed period service and the order for the new connect of the new fixed period service are received by the Company at the same time,
- The new service is provided between the same customer location and serving wire center as the discontinued services,
- The new fixed period service rate plan meets or exceeds the fixed period service rate plan being discontinued.

Nonrecurring charges apply to all upgrades in service.

New minimum service period applies to all Public Packet Switching Pricing Plan rate elements that are upgraded in the following manner:

- If the service being upgraded has been in place for more than 12 months, minimum period provisions will not apply, or
- If the service being upgraded has been in place for less than 12 months, the time in service will be applied against the minimum period term.

- [1] Customers with the PPSN Pricing Plan in service prior to the effective date of this Tariff, May 29, 1995, may utilize Termination Liability and Waiver Policy as set forth in 8.3.4, following, in lieu of Upgrades in Service. This offer is valid until either the expiration date of their existing term or until May 29, 1998 for a 36 month term and May 29, 2000 for a 60 month term, whichever comes first. After the effective date of this Tariff, Termination Liability and Waiver Policy will be in effect for all new customers subscribing to the PPSN Pricing Plan.

Certain material previously found on this page can now be found on Page 8-42.
Certain material on this page formerly appeared on Page 8-19.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

A. Public Packet Switching Pricing Plan (Cont'd)

4. Discontinuance of Service[1]

- a. If the customer chooses to discontinue all or a portion of the service prior to the expiration of the fixed period service, discontinuance charges will apply.

Should the customer choose to discontinue fixed period service prior to the completion of the minimum service period, discontinuance charges will apply. Discontinuance charges equal to one-hundred percent of the total monthly rates for the remaining months of the minimum service period, plus fifty percent of the total monthly rates for the remaining portion of the fixed period service will apply.

Should the customer choose to discontinue fixed period service after the minimum service period but before the completion of the fixed period service, discontinuance charges will apply. Discontinuance charges equal to fifty percent of the total monthly rates for the remaining portion of the fixed period service will apply. For example, a customer chooses to discontinue after 33 months into a 60-month fixed period service. The discontinuance charges would be 0.50 times 27 months times the monthly rates for that service.

Should the customer choose to discontinue a portion of fixed period service without an upgrade in speed, discontinuance charges will apply only to the portion of the service being discontinued. For example, a customer has an analog X.25 port with 64 logical channels and wants to eliminate 14 logical channels. Discontinuance charges will apply only to the 14 disconnected logical channels.

- [1] Customers with the PPSN Pricing Plan in service prior to the effective date of this Tariff, May 29, 1995, may utilize Termination Liability and Waiver Policy as set forth in 8.3.4, following, in lieu of Discontinuance Charges in A.4.a. This offer is valid until either the expiration date of their existing term or until May 29, 1998 for a 36 month term and May 29, 2000 for a 60 month term, whichever comes first. After the effective date of this Tariff, Termination Liability and Waiver Policy will be in effect for all new customers subscribing to the PPSN Pricing Plan.

Certain material previously found on this page can now be found on Page 8-66.
Certain material on this page formerly appeared on Page 8-20.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

A.4.(Cont'd)

- b. Discontinuance charges do not apply to fixed period services purchased by local, State or Federal government entities (or to customers who have purchased services solely for resale to local, State or Federal government entities) when they are discontinued prior to the completion of the fixed period service only when all of the following conditions are met:
- The service(s) purchased by the local, State or Federal government entity or by customers that have purchased services for resale to local, State or Federal government entities are utilized solely for provision of services for that local, State or Federal government entity,
 - Funding for the fixed period service ordered by the authorized local, State or Federal government entity is included in the budget request for each fiscal period appropriation sufficient to cover the authorized local, State or Federal government entity's obligations under the fixed period service for that fiscal period,
 - Nonappropriation may not be used as a means of terminating the service to acquire a functionally similar product or service,

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Certain material previously found on this page can now be found on Page 8-25.1.
Certain material on this page formerly appeared on Page 8-21.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

A.4. (Cont'd)

- The local, State or Federal government entity ordered the fixed period service under the good faith belief that moneys in amounts sufficient to discharge its obligations could and would lawfully be appropriated and be made available for this purpose and,
- The local, State or Federal government entity or the customer who ordered the service on their behalf, must provide the Company notarized documents agreed upon by both the Company and the customer, showing that the entity is allotted insufficient funds for the remainder of the then current fiscal period (or for a succeeding fiscal period) by appropriation, appropriation limitation or grant to continue payments under the fixed period service and has no other funding source lawfully available to it for such purpose. The fixed period service may be terminated by giving the Company not less than thirty (30) days written notice. (Should the customer receive funding for the cancelled service prior to physical disconnect of service, the customer may cancel the disconnect order per Section 5.) Upon termination, the local, State or Federal government entity or the customer who ordered the service on their behalf, shall pay all applicable rates and nonrecurring charges of the fixed period service incurred through the date of termination and through the end of the then current fiscal period to the extent of lawfully available funds.

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Certain material previously found on this page can now be found on Page 8-54.
Certain material on this page formerly appeared on Page 8-22.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS (Cont'd)

B. Frame Relay Service

1. FRS has two optional Pricing Plans: Fixed Period Service Rate Plan and Rate Stability Plan. The optional rate plans allow the FRS customer the assurance of no Company-initiated increases in rates during the fixed period. As of May 29, 1995, the Rate Stability Plan is no longer available for new subscribers. Existing RSP subscribers may retain RSP until the expiration of the existing term or until the customer disconnects the service (in this situation, a move to a different building does not constitute a disconnect of service).

a. Rate Stability Plan

FRS existing customers may have stabilized rates for fixed periods of 12 months, 24 months, 36 months, 48 months, 60 months, 72 months or 84 months at the rates listed in 8.4.2.A.

b. Fixed Period Service Rate Plan

The FRS customer (except 2-Wire 128 kbps) may order this plan for 12 months, 24 months, 36 months, 48 months, 60 months, 72 months, or 84 months at the rates listed in 8.4.2.B. through 8.4.2.H. The 2-Wire 128 kbps FRS customer may order this plan for 12 months, 36 months, or 60 months at the rates listed in 8.4.2.B., 8.4.2.D. and 8.4.2.F.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B. Frame Relay Service (Cont'd)

2. Terms and Conditions

- Monthly rates for the entire fixed period will be frozen from Company-initiated increases, at the rates in effect for the fixed period on the service date.
- The customer must specify the length of the fixed period at the time the service is ordered.
- FRS rate elements may be ordered under Monthly or any optional rate plan. For example, the customer may order the Access Link under the 36 month fixed period service rate plan and the Information Transfer under the 60 month fixed period service rate plan.
- If a rate decrease occurs during a customer's fixed period, the reduced rates will automatically be applied to the remaining term of the fixed period.[1] (C)
- At the end of the fixed period, the customer may select a new fixed period, convert to Monthly rates or terminate the service. The rates will be those in effect at the time the new fixed period begins. Should the customer fail to make a choice by the end of a fixed period, the service will automatically revert to the effective Monthly (month-to-month) rates. If service is continued under the pricing plans, nonrecurring charges will not apply.
- The minimum service period for Rate Stability Plan is three months. The minimum service period for Fixed Period Service Rate Plan is six months. When PVCs are added to an existing FRS, the minimum service period for the added PVCs is one month. PVCs may be added to an existing fixed period on a month-to-month basis or under the same optional rate plan as the existing FRS but at the rates and charges in effect at the time of the addition, except when the PVCs are installed during the first 24 months of the customer's Pricing Plan as set forth in the Phased-In Installation Rates and Charges Regulations, following.

[1] Effective September 1, 1998, customers establishing a Fixed Period Rate Plan, will not receive a rate decrease if the Company decreases rates during the term of the plan. Fixed Period Rate Plans established on or before August 31, 1998, will automatically receive a rate decrease if the Company decreases rates during the term of the plan. (N)
(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B.2.(Cont'd)

- Phased-In Installation Rates and Charges Regulations

For Pricing Plans in effective as of November 14, 1994, and for each individual customer's FRS ordered under a Pricing Plan since that date, the recurring rates and nonrecurring charges for rate elements installed or moved to a new building during the first 24 months of the customer's Pricing Plan (or 12 months for customer's who subscribe to the 12 Month Plan) will be those rates in effect as of the installation date of the first rate element (unless a decrease in rates has occurred, in which case the lower rates will apply).

After the first 24 months of the Pricing Plan (or 12 months for customer's who subscribe to the 12 Month Plan), FRS Access Links and Optional Features and Functions may be moved or added to an existing Pricing Plan using the original Pricing Plan establishment date; however, the rates and charges will be those in effect at the time of the move or addition. If the remaining number of months for the existing term is less than either three months for an FRS Rate Stability Plan, or six months for an FRS Fixed Period Service Rate Plan, then the new service can be added as month-to-month until the expiration of the existing term or the new service can be added to the original Pricing Plan but the minimum period will be the minimum period designated by the type of Pricing Plan.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B. Frame Relay Service (Cont'd)

3. Changes in Rate Plans

Services rated under the month-to-month plan or an existing fixed period service rate plan may be upgraded to a new fixed period service rate plan at any time the customer chooses without incurring nonrecurring charges, Discontinuance Charges or Termination Liability charges. This upgrade will be allowed provided the channel interface and the customer designated premises remain the same. Additionally, the new fixed period service rate plan must meet or exceed the fixed period service rate plan being upgraded.

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The monthly rates will be those in effect at the time the new fixed period begins. New minimum service periods apply to upgrades in rate plan.

If a customer chooses to change an existing service provided under a fixed period service rate plan or a rate stability plan to a month-to-month plan, the change will be treated as a discontinuance of the existing service and an establishment of new service. Appropriate Discontinuance Charges, as set forth in 5, following, or Termination Liability as set forth in 8.3.4, following, and a new minimum period will apply in addition to the new monthly rates for the service.

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4. Changes in Transmission Speed[1]

Should the customer choose to change the service provided under a fixed period service rate plan or a rate stability plan to an equal or greater transmission speed FRS or other Company service (e.g., 56 kbps FRS to 56 kbps Digital Data Service, 56 or 64 kbps FRS to 64 kbps Digital Data Service or to 1.544 Mbps FRS or DS1 Service), discontinuance charges will not apply, provided all the following conditions are met:

- [1] Customers with the FRS Pricing Plan in service prior to the effective date of this Tariff, May 29, 1995, may utilize Termination Liability and Waiver Policy as set forth in 8.3.4, following, in lieu of Changes in Transmission Speed. This offer is valid until either the expiration date of their existing term or until May 29, 1996 for a 12 month term, May 29, 1997 for a 24 month term, May 29, 1998 for a 36 month term, May 29, 2000 for a 60 month term, May 29, 2001 for a 72 month term and May 29, 2002 for a 84 month term, whichever comes first. After the effective date of this Tariff, Termination Liability and Waiver Policy will be in effect for all new customers subscribing to the FRS Pricing Plan.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B.4. (Cont'd)

- Both the existing service and the new service are provided solely by the Company, (T)
- The customer's request for disconnect of the existing service and the request for new connect of the new service are received at the same time, (C)
- The new service is provided between the same customer locations as the discontinued service, except as set forth in 6., following, (T)
- The new fixed period meets or exceeds the remaining length of the existing fixed period being discontinued[1], and (M)
- The total monthly rate of the new service is equal to or greater than the total monthly rate of the existing service. (M)

All changes in transmission speed are subject to the availability of service. The monthly rates for the new service and/or service elements will be those rates in effect at the time the service is changed. Related nonrecurring charges apply for the change and are the charges in effect at the time the service is changed.

Should the order to change transmission speed exclude one or more of the conditions above, it will be treated as a discontinuance of the existing service and the establishment of a new service. All outstanding minimum period charges and discontinuance charges, as set forth in 5., following, will apply. (M)

[1] On the effective date of this Tariff, RSP subscribers must change to a fixed period service rate plan which meets or exceeds the remaining length of the existing RSP being discontinued.

Certain material previously found on this page can now be found on Pages 8-1 and 8-27.
Certain material on this page formerly appeared on Page 8-36.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B. Frame Relay Service (Cont'd)

5. Discontinuance of Service[1]

If the customer chooses to discontinue all or a portion of the service (equaling more than 20% of the total monthly rate) prior to the expiration of the fixed period service, discontinuance charges will apply. A minimum billing level of 80% of the total monthly rates will be used to calculate discontinuance charges. The minimum billing level is based on the monthly rate as of the service established date, plus any additions to the service after the service established date.

a. Rate Stability Plan[2]

Should the customer choose to discontinue service provided under the rate stability plan prior to the completion of the minimum service period of three months, a discontinuance charge will apply. The discontinuance charge is 80% (minimum billing level) of the total monthly rates for the remaining months of the minimum service period, plus 10% of the minimum billing level for the remaining term of the fixed period.

Should the customer choose to discontinue the rate stability plan after the minimum service period but before the completion of the fixed period, a discontinuance charge equal to 10% of the minimum billing level for the remaining term of the fixed period will apply. For example, if a customer chooses to discontinue service after 33 months of a 60 month fixed period, the discontinuance charge will be .10 multiplied by 27 months, multiplied by the minimum billing level.

[1] Customers with the FRS Pricing Plan in service prior to the effective date of this Tariff, May 29, 1995, may utilize Termination Liability and Waiver Policy as set forth in 8.3.4, following, in lieu of Discontinuance Charges in B.5.a. This offer is valid until either the expiration date of their existing term or until May 29, 1996 for a 12 month term, May 29, 1997 for a 24 month term, May 29, 1998 for a 36 month term, May 29, 1999 for a 48 month term, May 29, 2000 for a 60 month term, May 29, 2001 for a 72 month term and May 29, 2002 for a 84 month term, whichever comes first. After the effective date of this Tariff, Termination Liability and Waiver Policy will be in effect for all new customers subscribing to the FRS Pricing Plan.

[2] After the effective date of this Tariff, the Rate Stability Plan is no longer available for new subscribers.

Certain material previously found on this page can now be found on Page 8-20.
Certain material on this page formerly appeared on Page 8-37.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B.5.a. (Cont'd)

If, by discontinuing a portion of the service provided under a rate stability plan, a customer's total monthly billing level falls below the minimum billing level, which shall include any additions to the service, a discontinuance charge, as set forth preceding, will apply only to the portion of the service being discontinued.

b. Fixed Period Service Rate Plan^[1]

Should the customer choose to discontinue fixed period service rate plan prior to the completion of the minimum service period (six months), discontinuance charges will apply. The discontinuance charge is 80% (minimum billing level) of the total monthly rates for the remaining months of the minimum service period, plus 40% of the minimum billing level for the remaining portion of the fixed period service.

Should the customer choose to discontinue fixed period service rate plan after the minimum service period but before the completion of the fixed period, discontinuance charges will apply. Discontinuance charges equal to 40% of the minimum billing level for the remaining portion of the fixed period service will apply. For example, if a customer chooses to discontinue service after 33 months of a 60 month fixed period, the discontinuance charges would be 0.40 multiplied by 27 months, multiplied by the minimum billing level.

If, by discontinuing a portion of the service provided under a fixed period service rate plan, a customer's total monthly billing level falls below the minimum billing level, which shall include any additions to the service, a discontinuance charge, as set forth preceding, will apply only to the portion of the service being discontinued.

- [1] Customers with the FRS Pricing Plan in service prior to the effective date of this Tariff, May 29, 1995, may utilize Termination Liability and Waiver Policy as set forth in 8.3.4, following, in lieu of Discontinuance Charges in B.5.b. This offer is valid until either the expiration date of their existing term or until May 29, 1996 for a 12 month term, May 29, 1997 for a 24 month term, May 29, 1998 for a 36 month term, May 29, 1999 for a 48 month term, May 29, 2000 for a 60 month term, May 29, 2001 for a 72 month term and May 29, 2002 for a 84 month term, whichever comes first. After the effective date of this Tariff, Termination Liability and Waiver Policy will be in effect for all new customers subscribing to the FRS Pricing Plan.

Certain material previously found on this page can now be found on Page 8-21.
Certain material on this page formerly appeared on Page 8-38.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B.5.b. (Cont'd)

If a customer chooses to change an existing service offered under a fixed period service rate plan to a rate stability plan or to a month-to-month plan, the change will be treated as a discontinuance of the existing service and an establishment of new service. Appropriate discontinuance charges, as set forth above, a new minimum period and related nonrecurring charges for establishment of the new service, will apply in addition to the new monthly rates for the service.

- c. Discontinuance charges do not apply to fixed period services purchased by local, State or Federal government entities (or to customers who have purchased services solely for resale to local, State or Federal government entities) when they are discontinued prior to the completion of the fixed period service only when all of the following conditions are met:
- The service(s) purchased by the local, State or Federal government entity or by customers that have purchased services for resale to local, State or Federal government entities are utilized solely for provision of services for that local, State or Federal government entity,
 - Funding for the fixed period service ordered by the authorized local, State or Federal government entity is included in the budget request for each fiscal period appropriation sufficient to cover the authorized local, State or Federal government entity's obligations under the fixed period service for that fiscal period,
 - Nonappropriation may not be used as a means of terminating the service to acquire a functionally similar product or service,

Certain material previously found on this page can now be found on Page 8-22.
Certain material on this page formerly appeared on Pages 8-38 and 8-39.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B.5.c. (Cont'd)

- The local, State or Federal government entity ordered the fixed period service under the good faith belief that moneys in amounts sufficient to discharge its obligations could and would lawfully be appropriated and be made available for this purpose and,
- The local, State or Federal government entity or the customer who ordered the service on their behalf, must provide the Company notarized documents agreed upon by both the Company and the customer, showing that the entity is allotted insufficient funds for the remainder of the then current fiscal period (or for a succeeding fiscal period) by appropriation, appropriation limitation or grant to continue payments under the fixed period service and has no other funding source lawfully available to it for such purpose. The fixed period service may be terminated by giving the Company not less than thirty (30) days written notice. (Should the customer receive funding for the cancelled service prior to physical disconnect of service, the customer may cancel the disconnect order per Section 5.) Upon termination, the local, State or Federal government entity or the customer who ordered the service on their behalf, shall pay all applicable rates and nonrecurring charges of the fixed period service incurred through the date of termination and through the end of the then current fiscal period to the extent of lawfully available funds.

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Certain material previously found on this page can now be found on Page 8-23.
Certain material on this page formerly appeared on Page 8-40.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B. Frame Relay Service (Cont'd)

6. Moves to a Different Building Utilizing Portability (C)

Portability allows FRS ordered under a Pricing Plan to move to a different building without incurring discontinuance charges or establishing new minimum service periods. Applicable nonrecurring charges apply to move the service. (T)

a. Portability without upgrade in transmission speed

A customer with existing FRS may choose to move either a portion of or the entire existing service or move and change their FRS to another Company service without incurring discontinuance charges provided the following conditions are met:

- Both the existing and the new service are provided solely by the Company,
 - The new service has a speed equal to the speed of the disconnected service,
 - The customer's request for both the disconnect order for the existing service and the new connect order for the new service are received at the same time and must specifically reference the application of Portability,
 - The customer's request for the disconnect order for the existing service must reference the new connect order, and (T)
 - The due date of the new connect order must be within 30 days of the due date of the disconnect order. (T)
- (D)

Certain material previously found on this page can now be found on Page 8-55.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B.6. (Cont'd)

The monthly rates for the new service will be those rates in effect at the time the service is installed at the new location. All nonrecurring charges apply for the new service. Should changes to either the disconnect order or the new connect order for Portability exclude one or more of the conditions above, applicable discontinuance charges will be assessed. The rates, charges and regulations for changes from FRS to other Company services are as specified in other sections of this Tariff.

For FRS provided under VTPP, the existing term or fixed period may be utilized for the FRS at the new location, provided the remaining number of months of the existing term is at least the minimum period of the VTPP (i.e., three months for an FRS Rate Stability Plan, or six months for an FRS Fixed Period Service Rate Plan). If the remaining number of months for the existing term is less than the associated minimum period, then the remaining number of months for the existing term at the new location shall be extended to either three months for an FRS Rate Stability Plan, or six months for an FRS Fixed Period Service Rate Plan.

b. Portability with upgrade in transmission speed[1]

(T)

A customer with existing FRS may choose to move the existing service and upgrade to another higher speed FRS or to another higher speed service provided by the Company without incurring discontinuance charges provided the following conditions are met:

(M)

- Both the existing and the new services are provided solely by the Company,

(M)

[1] Customers with FRS Pricing Plans in service prior to May 29, 1995, may utilize Portability with upgrade in transmission speed until the end of their existing term, or may utilize the Termination Liability and Waiver Policy as set forth in 8.3.4, following. At the expiration of their existing Pricing Plan, the Termination Liability and Waiver Policy must be utilized for moves to a different building with an upgrade in transmission speed.

(T)

(C)

(M)

(T)

Certain material on this page formerly appeared on Pages 8-54 and 8-56.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B.6.b. (Cont'd)

(T)

- The customer's request for the disconnect order for the existing service and the new connect order for the new service are received at the same time and must specifically reference the application of Portability and upgrade in capacity,
- The customer's request for the disconnect order for the existing service must reference the new connect order, and
- The due date of the new connect order must be within 30 days of the due date of the disconnect order.

(T)

For FRS provided under Pricing Plans, the term or fixed period for the existing FRS may continue to be the same term for the FRS at the new location, provided the remaining number of months of the existing plan is at least the minimum period of the existing Pricing Plan (i.e., three months for an FRS Rate Stability Plan, or six months for an FRS Fixed Period Service Rate Plan). If the remaining number of months for the existing Pricing Plan is less than the associated minimum period, then the minimum period for the new service shall be three months for an FRS Rate Stability Plan, or six months for an FRS Fixed Period Service Rate Plan.

The monthly rates for the new service will be those rates in effect at the time the new upgraded service is installed. Should changes to either the disconnect order or the new connect order for Portability exclude one or more of the conditions above, applicable discontinuance charges will be assessed. The rates, charges and regulations for changes from FRS to other Company services are as specified in other sections of this Tariff.

Certain material previously found on this page can now be found on Pages 8-55.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B. Frame Relay Service (Cont'd)

7. FRS Pricing Plan Promotion 1 - September 29, 1998 and October 31, 1998 (T)

The Company will offer the following promotional incentive for customers who subscribe to this promotion between September 29, 1998 and October 31, 1998. Specifically, the Company will provide a coupon for a one-time credit equal to one month's billing of the customer's FRS Pricing Plan Access Link, User-To-Network Information Transfer (UNIT), Network-to-Network Information Transfer (NNIT), and Transport Channel rate elements. The coupon will be issued to the customer once the requested service is installed. The customer may redeem the coupon at anytime before its expiration date (i.e., ten months from issuance). Customers who redeem the coupon will receive the one-time credit on the twelfth (12th) full billing month of the customer's VTPP fixed period.

In order to qualify for this promotion, the customer must order a new FRS Pricing Plan with a fixed period of twelve, twenty four, thirty six, sixty, seventy two or eighty four months. For FRS 2-Wire 128 kbps only, the customer must order a new FRS Pricing Plan with a fixed period of twelve, thirty six or sixty months. The coupon is not redeemable if the service is disconnected before the twelfth (12th) month.

The Company will offer a Service Date based on the type and quantity of Access Services the customer has requested as set forth in 5.2.1 and 8.1.2, preceding.

8. ADVANCED COMMUNICATIONS

NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B. Frame Relay Service (Cont'd)

8. FRS Pricing Plan Promotion 2 - January 5, 1999 through March 31, 1999

For a limited time only, the nonrecurring charges for FRS will be waived for customers who install new service and subscribe to a 24 Month or greater Pricing Plan; or for existing FRS Pricing Plan customers who install service at a new customer premises or location and subscribe to a 24 Month or greater Pricing Plan; or for existing FRS customers who upgrade from a Monthly or a 12 Month Pricing Plan to a 24 Month or greater Pricing Plan. Order applications must be placed from January 5, 1999 through March 31, 1999, with order completion within 60 days of the order application date. The order application date is the date the service is ordered. When order completion is delayed due to Company reasons, the order completion date will be extended. Termination Liability or Discontinuance Charges will not apply.

Exclusions to the above promotion are:

- a. Moves of existing services within the same building or to a different building.
- b. Customer Network Management (CNM)
- c. Each additional PVC charge associated with existing service pointing to an existing location.
- d. Subsequent PVC(s) order charge associated with existing service pointing to an existing location.

(N)

(N)

8. ADVANCED COMMUNICATIONS

NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B. Frame Relay Service (Cont'd)

9. FRS, ATM, and LSS Pricing Plan Promotion 3 – February 1, 2000 through April 26, 2000

For a limited time only, 50% of the nonrecurring charges for FRS, ATM or LSS will be waived for customers who install new service and subscribe to a 36 Month or 48 Month[1] Pricing Plan, or for existing FRS, ATM, or LSS Pricing Plan customers who install service at a new customer premises or location and subscribe to a 36 Month or 48 Month[1] Pricing Plan; or for existing FRS, ATM or LSS customers who upgrade from a Monthly, 12 Month or 24 Month[1] Pricing Plan to a 36 Month or 48 Month[1] Pricing Plan.

And 100% of the nonrecurring charges for FRS, ATM or LSS will be waived for customers who install new service and subscribe to a 60 Month, 72 Month[1] or 84 Month[1] Pricing Plan, or for existing FRS, ATM, or LSS Pricing Plan customers who install service at a new customer premises or location and subscribe to a 60 Month, 72 Month[1] or 84 Month[1] Pricing Plan; or for existing FRS, ATM or LSS customers who upgrade from a Monthly, 12 Month, 24 Month[1], 36 Month or 48 Month[1] Pricing Plan to a 60 Month, 72 Month[1] or 84 Month[1] Pricing Plan.

Order applications must be placed from February 1, 2000 through April 26, 2000, with order completion within 120 days of the order application date. The order application date is the date the service is ordered. When order completion is delayed due to Company reasons, the order completion date will be extended. Termination Liability or Discontinuance Charges will not apply.

Exclusions to the above promotion are:

- a. Moves of existing services within the same building or to a different building.
- b. Customer Network Management (CNM)
- c. Additional PVC, VCC or VPC charges associated with existing service pointing to an existing or new location.
- d. Subsequent PVC(s), VCC(s) or VPC(s) order charges associated with existing service pointing to an existing or new location.
- e. Changes in CIR for FRS
- f. Transport Channel and Transport Mileage

[1] LSS does not offer 24 Month, 48 Month, 72 Month or 84 Month Pricing Plans.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

B. Frame Relay Service (Cont'd)

10. FRS, ATM and LSS Pricing Plan Promotion 4 – July 10, 2000 through October 4, 2000

(N)

For a limited time only, 50% of the nonrecurring charges for FRS (with the exception of 56 kbps), ATM and LSS will be waived for customers who install new service and subscribe to a 36 Month or 48 Month[1] Pricing Plan, or for existing FRS (with the exception of 56 kbps), ATM, and LSS Pricing Plan customers who install service at a new customer premises or location and subscribe to a 36 Month or 48 Month[1] Pricing Plan; or for existing FRS (with the exception of 56 kbps), ATM and LSS customers who upgrade from a Monthly, 12 Month or 24 Month[1] Pricing Plan to a 36 Month or 48 Month[1] Pricing Plan.

And 100% of the nonrecurring charges for FRS(with the exception of 56 kbps), ATM and LSS will be waived for customers who install new service and subscribe to a 60 Month, 72 Month[1] or 84 Month[1] Pricing Plan, or for existing FRS (with the exception of 56 kbps), ATM and LSS Pricing Plan customers who install service at a new customer premises or location and subscribe to a 60 Month, 72 Month[1] or 84 Month[1] Pricing Plan; or for existing FRS (with the exception of 56 kbps), ATM and LSS customers who upgrade from a Monthly, 12 Month, 24 Month[1], 36 Month or 48 Month[1] Pricing Plan to a 60 Month, 72 Month[1] or 84 Month[1] Pricing Plan.

Customer orders must be placed from July 10, 2000 through October 4, 2000, with order completion within 120 days of the order date. When order completion is delayed due to Company reasons, the order completion date will be extended. Termination Liability or Discontinuance Charges will not apply.

Exclusions to the above promotion are:

- FRS 56 kbps
- Moves of existing services within the same building or to a different building
- Customer Network Management (CNM)
- Additional PVC, VCC or VPC charges associated with existing service pointing to an existing or new location.
- Subsequent PVC(s), VCC(s) or VPC(s) order charges associated with existing service pointing to an existing or new location.
- Changes in CIR for FRS
- Transport Channel and Transport Mileage

- [1] LSS and FRS 2-Wire 128 kbps do not offer 24 Month, 48 Month, 72 Month or 84 Month Pricing Plans.

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS (Cont'd)

C. MegaBit Service

1. Pricing Plan Terms and Conditions

MegaBit Subscriber Service may be ordered on a month-to-month or on a Fixed Period Service Rate Plan for 12, 36 or 60 months at the rates set forth in 8.4.3, following.

(S-y)
(S-y)

MegaCentral Service and MegaBit IDSL must be initially ordered under a Fixed Period Service Rate Plan. At the end of the initial service period, the service may be obtained on a month-to-month basis or any of the specified fixed period service rate periods. The customer may order a Fixed Period Service Rate Plan for 12, 36 or 60 months at the rates set forth in 8.4.3, following.

(S-y)

(S-y)

Monthly rates for the entire fixed period will be stabilized from Company-initiated increases, at the rates in effect for the fixed period on the service date. The customer must specify the length of the fixed period at the time the service is ordered. The minimum service period for a MegaBit Subscriber, MegaBit IDSL or MegaCentral fixed period service rate plan is 12 months.

(S-y)

MegaCentral Service rate elements may be ordered under any optional rate plan. For example, the customer may order the Access Link under the 36 month fixed period service rate plan and the MegaCentral Port under the 60 month fixed period service rate plan.

When a customer with ISDN or MegaBit IDSL Service migrates to a MegaBit Subscriber Service at the same address of record a nonrecurring charge will not apply. In addition, TLA will be waived if a MegaBit IDSL customer migrates to MegaBit Subscriber at the same address of record.

(S-y)
|
(S-y)

If a rate decrease occurs during a customer's fixed period, the reduced rates will automatically be applied to the remaining term of the fixed period.[1]

- [1] Effective September 1, 1998, customers establishing a Fixed Period Rate Plan, will not receive a rate decrease if the Company decreases rates during the term of the plan. Fixed Period Rate Plans established on or before August 31, 1998, will automatically receive a rate decrease if the Company decreases rates during the term of the plan.

- (y) Reissued matter advanced from May 13, 2000 to April 15, 2000 under Special Permission No. 00-023.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

C. MegaBit Service (Cont'd)

At the end of the fixed period, the customer may select a new fixed period, convert to monthly rates (month-to-month) or terminate the service. The rates will be those in effect at the time the new fixed period begins. Should the customer not make a choice by the end of a fixed period, the service will automatically revert to the effective monthly (month-to-month) rates. If service is continued, nonrecurring charges will not apply.

2. Changes to Rate Plans

Services rated under the month-to-month plan or an existing fixed period service rate plan may be upgraded to a fixed period service rate plan at any time the customer chooses without incurring nonrecurring charges or Termination Liability. This upgrade will be allowed provided the channel interface and the customer-designated premises remain the same. Additionally, the new fixed period service rate plan must meet or exceed the fixed period service rate plan being upgraded.

The monthly rates will be those in effect at the time the new fixed period begins. New minimum service periods apply to upgrades in rate plans.

If a customer chooses to change an existing service provided under a fixed period service rate plan to month-to-month billing, the change will be treated as a discontinuance of the existing service and an establishment of new service. Termination Liability, as set forth in 8.3.4, following, and a new minimum period will apply in addition to the new monthly rates for the service.

3. Discontinuance of Service

If the customer chooses to discontinue all or a portion of the service prior to the expiration of the fixed period service, Termination Liability, as set forth in 8.3.4, following, will apply.

Certain material found on this page formerly appeared on Page 8-58.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

C. MegaBit Service (Cont'd)

4. MegaCentral Service Pricing Plan Promotion 1 - April 1, 1999 through May 28, 1999.

For a limited time only, the nonrecurring charges for MegaCentral Service Ports will be waived for customers who install new service and subscribe to a 12 Month or greater Pricing Plan; or for existing MegaCentral Service Pricing Plan customers who install service at a new customer premises or location and subscribe to a 12 Month or greater Pricing Plan. Order applications must be placed from April 1, 1999 through May 28, 1999, with order completion within 60 days of the order application date. The order application date is the date the service is ordered. When order completion is delayed due to Company reasons, the order completion date will be extended. Termination Liability or Discontinuance Charges will not apply.

An exclusion to the above promotion is:

- a. Moves of existing services within the same building or to a different building.
5. MegaBit Subscriber Service Pricing Plan Promotion 2 – June 28, 1999 through August 20, 1999.

For a limited time only, the Company will provide a \$100 check to new customers who subscribe to MegaBit Subscriber Service with a 36 month or greater Pricing Plan or to existing customers who order an additional MegaBit Subscriber Service with a 36 month or greater Pricing Plan. Order applications must be placed from June 28, 1999 through August 20, 1999. This promotional offering is only available once to a customer during the promotional period.

Once the customer's MegaBit Subscriber Service has been installed, the Company will mail the customer an information form to verify the address for check issuance. The customer must return the information form to the Company within six weeks of its mailing in order to receive the check. Upon receipt of the completed information form, the Company will mail the check to the customer of record within 4 weeks.

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(M)

(M)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

C. MegaBit Service (Cont'd)

6. MegaBit Subscriber Service Promotion 3 – August 23, 1999 through October 30, 1999. (C)

For a limited time only, the nonrecurring charges for MegaBit Subscriber Service will be waived for customers who install new service or for existing MegaBit Subscriber Service customers who install service at a new customer premises or location. Order applications must be placed from August 23, 1999 through October 30, 1999, with order completion within 60 days of the order application date. The order application date is the date the service is ordered. When order completion is delayed due to Company reasons, the order completion date will be extended. This offering is not available with any other promotion. (C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

C. MegaBit Service (Cont'd)

7. MegaBit Subscriber Service Promotion 4 – November 1, 1999 through December 31, 1999. (C)

For a limited time only, the Company will refund up to \$100 to new MegaBit Subscriber Service customers who retain their service for ninety days or more. The refund amounts will be \$75 for new MegaBit Subscriber Service with a speed of 256 Kbps Bi-Directional Per Session Connection Service and \$100 for new MegaBit Subscriber Service with speeds of 256 Kbps Dedicated Connection or higher. Order applications must be placed from November 1, 1999 through December 31, 1999, with order completion within 60 days of the order application date. The order application date is the date the service is ordered. When order completion is delayed due to Company reasons, the order completion date will be extended. This offering is not available with any other promotion. (C)

Following is the refund process:

- The Company will mail an address verification form to the MegaBit Subscriber Service customer by the 90th day of service activation.
- The customer then must complete the form and return it to the Company within 30 days of receipt.
- The Company will mail the refund check within 30 days upon receipt of the completed form from the customer.
- The customer must cash the check within 90 days of the check issue date.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

C. MegaBit Service (Cont'd)

8. MegaBit Subscriber Service Promotion 5 – January 4, 2000 through April 2, 2000.

For a limited time only, the nonrecurring charges for MegaBit Subscriber Service will be waived for customers who install new service or for existing MegaBit Subscriber Service customers who install service at a new customer premises or location. Order applications must be placed from January 4, 2000 through April 2, 2000, with order completion within 60 days of the order application date. The order application date is the date the service is ordered. When order completion is delayed due to Company reasons, the order completion date will be extended. This offering is not available with any other promotion.

(N)

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

C. MegaBit Service (Cont'd)

9. MegaBit Subscriber Service Promotion 6 – April 3, 2000 through July 1, 2000.

The following promotional offering is available to new MegaBit Subscriber Service customers and existing customers who install service at a new premises or location. Order applications must be placed from April 3, 2000 through July 1, 2000, with order completion within 60 days of the order application date. Qualifying customers will receive a 1-time credit equal to 2 months of the recurring charges on their first bill. This offering is not available with any other promotion.

(N)

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

C. MegaBit Service (Cont'd)

10. MegaBit Subscriber Service Promotion 7 – July 2, 2000 through September 29, 2000.

For a limited time only, the nonrecurring charges for MegaBit Subscriber Service will be waived for customers who install new service and subscribe to a 12 Month, 36 Month or 60 Month Pricing Plan or for existing MegaBit Subscriber Service customers who install service at a new customer premises or location and subscribe to a 12 Month, 36 Month or 60 Month Pricing Plan. Order applications must be placed from July 2, 2000 through September 29, 2000, with order completion within 60 days of the order application date. The order application date is the date the service is ordered. When order completion is delayed due to Company reasons, the order completion date will be extended. This offering is not available with any other promotion.

(N)

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS (Cont'd)

D. ATM Cell Relay Service

(M)

1. ATM CRS must be initially ordered under a Fixed Period Service Rate Plan[1]. The rate plan allows the ATM CRS customer the assurance of no Company-initiated increases in rates during the fixed period. At the end of the initial service period, the service may be obtained on a month-to-month basis or any of the specified fixed period service rate periods.

- Fixed Period Service Rate Plan

The ATM CRS customer may order this plan for 12 Months, 24 Months, 36 Months, 48 Months, 60 Months, 72 Months, or 84 Months at the rates listed in 8.4.4.B. through 8.4.4.H.

2. Terms and Conditions

- Monthly rates for the entire fixed period will be frozen from Company-initiated increases, at the rates in effect for the fixed period on the service date.
- The customer must specify the length of the fixed period at the time the service is ordered.
- ATM CRS rate elements may be ordered under any optional rate plan. For example, the customer may order the Access Link under the 36 month fixed period service rate plan and the Cell Transfer under the 60 month fixed period service rate plan.
- If a rate decrease occurs during a customer's fixed period, the reduced rates will automatically be applied to the remaining term of the fixed period.[2]

- [1] If an existing customer, with an existing Fixed Period Service Rate Plan, places a subsequent order to add an Optical Access Link at the same customer premises where fiber facilities are currently available, the new Optical Access Link may be initially ordered as month-to-month.

- [2] Effective September 1, 1998, customers establishing a Fixed Period Rate Plan, will not receive a rate decrease if the Company decreases rates during the term of the plan. Fixed Period Rate Plans established on or before August 31, 1998, will automatically receive a rate decrease if the Company decreases rates during the term of the plan.

(M)

Certain material previously found on this page can now be found on Page 8-57.1.
Certain material found on this page formerly appeared on Page 8-59.1.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

D.2. (Cont'd)

- At the end of the fixed period, the customer may select a new fixed period, convert to monthly rates (month-to-month) or terminate the service. The rates will be those in effect at the time the new fixed period begins. Should the customer fail to make a choice by the end of a fixed period, the service will automatically revert to the effective monthly (month-to-month) rates. If service is continued under the pricing plans, nonrecurring charges will not apply.
- The minimum service period for fixed period service rate plan is 12 months. When VCCs and VPCs are added to an existing ATM CRS, the minimum service period for the added VCCs and VPCs is one month. VCCs and VPCs may be added to an existing fixed period on a month-to-month basis or under the same optional rate plan as the existing ATM CRS but at the rates and charges in effect at the time of the addition.
- Phased-In Installation will apply to all ATM Cell Relay Service customers whose fixed-period service pricing plan began after April 7, 1998.

Under Phased-In Installation, monthly rates and nonrecurring charges for all ATM Cell Relay service elements installed during the first twelve months of a multiyear, fixed-period service plan, or installed at anytime during a one-year, fixed-period service plan, will be those rates and charges which were in effect on the date the first element of the service configuration was installed; unless a decrease in a rate or charge occurs, in which case the lower rate or charge applies.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

D. ATM Cell Relay Service (Cont'd)

3. Changes to Rate Plans

Services rated under the month-to-month plan or an existing fixed period service rate plan may be upgraded to a fixed period service rate plan at any time the customer chooses without incurring nonrecurring charges or Termination Liability. This upgrade will be allowed provided the channel interface and the customer designated premises remain the same. Additionally, the new fixed period service rate plan must meet or exceed the fixed period service rate plan being upgraded.

The monthly rates will be those in effect at the time the new fixed period begins. New minimum service periods apply to upgrades in rate plans.

If a customer chooses to change an existing service provided under a fixed period service rate plan to a month-to-month plan, the change will be treated as a discontinuance of the existing service and an establishment of new service. Appropriate Termination Liability, as set forth in 8.3.4., following, and a new minimum period will apply in addition to the new monthly rates for the service.

4. Discontinuance of Service

If the customer chooses to discontinue all or a portion of the service (equaling more than 20% of the total monthly rate) prior to the expiration of the fixed period service, Termination Liability, as set forth in 8.3.4, will apply. A minimum billing level of 80% of the total monthly rates will be used to calculate Termination Liability. The minimum billing level is based on the monthly rate as of the service established date, plus any additions to the service after the service established date.

Certain material found on this page formerly appeared on Page 8-59.3.

8. ADVANCED COMMUNICATIONS

NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

D. ATM Cell Relay Service (Cont'd)

5. ATM Cell Relay Service Pricing Plan Promotion 1 - September 29, 1998 through October 31, 1998

The Company will offer the following promotional incentive for customers who subscribe to this promotion between September 29, 1998 and October 31, 1998. Specifically, the Company will provide a coupon for a one-time credit equal to one month's billing of the customer's ATM Pricing Plan Optical Access Link, Fixed Rate per Port, Peak Cell Rate Service, Sustained Cell Rate Service, Unspecified Bit Rate Service and Transport Channel rate elements. The coupon will be issued to the customer once the requested service is installed. The customer may redeem the coupon at anytime before its expiration date (i.e., ten months from issuance). Customers who redeem the coupon will receive the one-time credit on the twelfth (12th) full billing month of the customer's Pricing Plan fixed period.

In order to qualify for this promotion, the customer must order a new ATM Pricing Plan with a fixed period of twelve, twenty four, thirty six, forty eight, sixty, seventy two or eighty four months. The coupon is not redeemable if the service is disconnected before the twelfth (12th) month.

The Company will offer a Service Date based on the type and quantity of Access Services the customer has requested as set forth in 5.2.1 and 8.1.2, preceding.

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(M)

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8. ADVANCED COMMUNICATIONS

NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

D. ATM Cell Relay Service (Cont'd)

6. ATM Cell Relay Service Pricing Plan Promotion 2 - January 5, 1999 through March 31, 1999

For a limited time only, the nonrecurring charges for ATM CRS will be waived for customers who install new service and subscribe to a 24 Month or greater Pricing Plan; or for existing ATM CRS Pricing Plan customers who install service at a new customer premises or location and subscribe to a 24 Month or greater Pricing Plan; or for existing ATM CRS customers who upgrade from a Monthly or a 12 Month Pricing Plan to a 24 Month or greater Pricing Plan. Order applications must be placed from January 5, 1999 through March 31, 1999, with order completion within 120 days of the order application date. The order application date is the date the service is ordered. When order completion is delayed due to Company reasons, the order completion date will be extended. Termination Liability or Discontinuance Charges will not apply.

Exclusions to the above promotion are:

- a. Moves of existing services within the same building or to a different building.
- b. Each additional VCC and/or VPC charge associated with existing service pointing to an existing location.
- c. Subsequent VCC(s) and/or VPC(s) order charge associated with existing service pointing to an existing location.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

D. ATM Cell Relay Service (Cont'd)

7. ATM Cell Relay Service Pricing Plan Promotion 3 - September 15, 1999 through November 12, 1999

For a limited time only, ATM CRS customers who install new service and subscribe to a 36 Month Pricing Plan will receive credit for 2 months of recurring rates and/or a 60 Month Pricing Plan will receive credit for 3 months of recurring rates. This same offering is also available for customers who upgrade from Private Line Services or Frame Relay Services to ATM CRS, upgrade Optical Access Link (OAL) and/or port speeds and for existing ATM CRS customers who install service at a new customer premises or location. Qualifying customers will receive the full credit due within the first 2 billing cycles. Order applications must be placed from September 15, 1999 through November 12, 1999, with order completion within 120 days of the order application date. The order application date is the date the service is ordered. When order completion is delayed due to Company reasons, the order completion date will be extended. Termination Liability and Discontinuance Charges will apply.

Exclusions to the above promotion are:

- a. Moves of existing services within the same building or to a different building.
- b. DS1, DS3, SST, SHARP or SHNS Private Line Services when used with ATM CRS.
- c. Standalone Optical Access Link (SAOAL).
- d. Transport Channel Mileage (Fixed and Per Mile) that brings a Digital Private Line Service facility to an ATM service point.
- e. Adding Virtual Path Connections (VPCs) or Virtual Channel Connections (VCCs) to existing ATM Cell Relay customer accounts.
- f. Renewal of an existing ATM CRS Pricing Plan.
- g. Change of jurisdiction from Intrastate to Interstate.
- h. Changes in bandwidth increments (e.g., 64 kbps to 1 Mbps).
- i. Changes in service categories (e.g., CBR to VBR).
- j. Any ATM CRS used with MegaBit Services.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS (Cont'd)

E. LAN Switching Service

1. The initial order for LSS must be for a fixed service period of one, three, or five years, as set forth in 8.3.3, following. At the end of the initial service period, a customer may elect the month-to-month option or any of the specified fixed service periods.
2. A subsequent order to add LSS LAN Links and/or Remote LAN Links to an existing fixed-period service pricing plan must be for a fixed period of one, three or five years, or for the remainder of the existing fixed-period service pricing plan, provided the remainder of the existing plan is at least the minimum period for that plan, as set forth in 8.3.3.D., following. If the remaining term is less than the associated minimum period, the minimum term for the added LAN Link and/or Remote LAN Link shall be the associated minimum period.
3. A customer may access LSS via a Company-provided LAN Link or Remote LAN Link. A customer utilizing a Remote LAN Link to access LSS will incur a monthly rate and a nonrecurring charge for a Remote LAN Link, in addition to the applicable monthly rates for Transport Mileage.
4. If a customer chooses to discontinue all or a portion of the service prior to the expiration of the fixed period service, Termination Liability, as set forth in 8.3.4, following, will apply.

Certain material previously found on this page can now be found on Page 8-57.2.
Certain material found on this page formerly appeared on Page 8-59.5.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS

E. LAN Switching Service (Cont'd)

5. LSS Promotion 1 - January 5, 1999 through March 31, 1999

For a limited time only, the nonrecurring charges for LSS will be waived for customers who install new service and subscribe to a 36 Month or greater Pricing Plan; or for existing LSS Pricing Plan customers who install service at a new customer premises or location and subscribe to a 36 Month or greater Pricing Plan; or for existing LSS customers who upgrade from a Monthly or a 12 Month Pricing Plan to a 36 Month or greater Pricing Plan. Order applications must be placed from January 5, 1999 through March 31, 1999, with order completion within 120 days of the order application date. The order application date is the date the service is ordered. When order completion is delayed due to Company reasons, the order completion date will be extended. Termination Liability or Discontinuance Charges will not apply.

Exclusions to the above promotion are:

- a. Moves of existing services within the same building or to a different building.

Certain material previously found on this page can now be found on Page 8-58.
Certain material found on this page formerly appeared on Page 8-59.6.

(Filed under Transmittal No. 1011.)

Issued: August 6, 1999

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1801 California Street, Denver, Colorado 80202

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS (CONT'D)
Reserved for Future Use

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Certain material previously found on this page can now be found on Page 8-58.1.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS (CONT'D)
Reserved for Future Use

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NETWORKS

8. ADVANCED COMMUNICATIONS

8.3 RATE REGULATIONS
8.3.3 PRICING PLANS (CONT'D)
Reserved for Future Use

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Certain material previously found on this page can now be found on Page 8-58.3.

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NETWORKS

8. ADVANCED COMMUNICATIONS

8.3 RATE REGULATIONS
8.3.3 PRICING PLANS (CONT'D)
Reserved for Future Use

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS (CONT'D)
Reserved for Future Use

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.3 PRICING PLANS (CONT'D)
Reserved for Future Use

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Certain material previously found on this page can now be found on Page 8-59.1.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS (Cont'd)

8.3.4 TERMINATION LIABILITY AND WAIVER POLICY

A. General

Termination Liability and Waiver Policy provides the terms and conditions for customers subscribing to Pricing Plans as set forth in 8.3.3, preceding. As of the effective date of this Tariff, new customers subscribing to ACS Pricing Plans are subject to the Termination Liability and Waiver Policy terms and conditions in lieu of the Discontinuance Charges, Portability (except for FRS Portability without upgrade in transmission speed, as set forth in 8.3.3.B.6., preceding) and Upgrades in Service and Transmission Speed as set forth in the Pricing Plans. Customers with Pricing Plans in service prior to the effective date of this Tariff, May 29, 1995, may utilize the terms and conditions of their pricing plans and portability or the Termination Liability and Waiver Policy. This offer is valid until either the expiration date of their existing term or until the expiration of the respective terms, as set forth in the pricing plans, whichever comes first.

If the customer chooses to discontinue all or a portion of the service prior to the expiration of the fixed period, termination charges, as set forth in B., following, will apply.

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(C)

Certain material previously found on this page can now be found on Page 8-60.1

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Issued: July 28, 1997

Effective: August 12, 1997

1801 California Street, Denver, Colorado 80202

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS (Cont'd)

8.3.4 TERMINATION LIABILITY AND WAIVER POLICY

B. Termination Liability

Customers with Pricing Plans in service prior to August 12, 1997, will retain a Termination Liability of 15% and the minimum billing level requirement of 80% of the total monthly rates for the service, until the expiration of their existing fixed period.

If a customer chooses to discontinue the entire service or a portion of the service prior to the expiration of the fixed period service, termination charges apply (unless the customer satisfies the conditions specified in the Waiver Policy as set forth in C., following).

The minimum billing level is used to calculate the termination charge. The minimum billing level for Packet Switching, MAS, MegaBit Service (i.e., MegaBit Subscriber, MegaBit IDSL or MegaCentral) and LSS is 100% of the total monthly rates for the rate elements being discontinued. An exception for MegaBit IDSL exists when this service is upgraded to MegaBit Subscriber at the same address of record, the termination charge does not apply. The minimum billing levels for Frame Relay and ATM Cell Relay Service is as follows:

(T)

1. Frame Relay

(T)

a. Standard Minimum Billing Level

(T)

The Standard Minimum Billing Level (SMBL) for Frame Relay is 100% of the monthly rates for the rate elements being discontinued, except for the FRS User-To-Network Information Transfer (UNIT) or Network-To-Network Information Transfer (NNIT). The minimum billing level for the UNIT or NNIT is 100% of the monthly rate for a UNIT or NNIT with one PVC, based on the customer's existing fixed period service rate plan and the speed of the associated UNIT or NNIT.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS (Cont'd)

8.3.4 TERMINATION LIABILITY AND WAIVER POLICY

B.1. (Cont'd)

b. Optional Minimum Billing Level

The Optional Minimum Billing Level (OMBL) for Frame Relay Service (FRS) is a plan that gives eligible customers the flexibility to remove and add circuits within Company territory without incurring a Termination Liability Assessment (TLA) as long as they stay at or above their commitment level. Eligible customers who subscribe to this option must designate at the time they subscribe to a fixed period service rate plan which of their FRS recurring revenue will be part of OMBL and which will remain on SMBL. As new FRS is installed, the customer must determine whether to include the new service in the OMBL or SMBL.

A customer may have more than one OMBL fixed period service rate plan, simultaneously.

- Eligibility Requirements:

- Must have an annual projected FRS revenue of \$100,000 or more that will be committed to each OMBL fixed period service rate plan at the time it is established. Determination of the revenue commitment for the first year will be calculated by multiplying the customer's current month FRS revenue by 12.
- Must subscribe to a fixed period service rate plan of 36 months or greater for the OMBL FRS and its designated circuits.

- Terms and Conditions:

- Only FRS recurring (whole and partial month) revenues and associated adjustments of these amounts will be used to calculate the annual revenue commitment.
- The FRS Minimum Service Period (MSP) as set forth in 8.3.3.B., preceding, applies. The MSP starts with the installation date of each circuit. Should the customer disconnect the circuit prior to the completion of the MSP of 6 months, PVCs excepted, TLA will apply for the months remaining in the MSP. TLA will not apply beyond the initial 6 month period.
- All new circuits added will be co-terminous with the termination date of the OMBL fixed period service rate plan with which they are associated.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS (Cont'd)

8.3.4 TERMINATION LIABILITY AND WAIVER POLICY

B.1.

b. Optional Minimum Billing Level (cont'd)

- TLA Threshold

The threshold amount will be determined as follows:

- In the first year of the fixed period service rate plan, the threshold will be 80% of the customer's revenue commitment at the time the OMBL fixed period service rate plan is established.
- For subsequent years of the fixed period service rate plan, the threshold level will be 80% of the previous year's actual revenue, or the threshold of the previous year, whichever is greater.
- For any year the customer's actual revenue falls below the threshold the TLA threshold for the next year will become 80% of the previous year's actual revenue.

- Annual Verification

The OMBL will be validated annually on its establish date. When the customer's annual revenue exceeds their threshold the TLA will not be assessed. When the annual revenue billed falls below the applicable 80% commitment level then a Shortfall Calculation will be made as follows.

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(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS (Cont'd)

8.3.4 TERMINATION LIABILITY AND WAIVER POLICY

B.1.

b. Optional Minimum Billing Level (cont'd)

- Shortfall Calculation

In the event the customer's annual revenue falls below the threshold then a TLA will be calculated as follows:

- $(25\%) \times (\text{Revenue Shortfall (TLA threshold} - \text{actual revenue)}) \times (\text{number of years remaining in the fixed period service rate plan}).$
- Example: A customer has a annual revenue commitment of \$100,000. The OMBL recurring FRS revenue billed for the 3rd year of a 60 month fixed period service rate is \$70,000. The TLA would be calculated as follows: $(25\%) \times (\$30,000 (100,000 - 70,000)) \times (2) = \$15,000.$ In addition, the TLA threshold for year 4 would be adjusted from 80% of \$100,000 to 80% of \$70,000 or \$56,000.

(N)

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.4 TERMINATION LIABILITY AND WAIVER POLICY

B. Termination Liability (Cont'd)

2. Minimum Billing Level for ATM Cell Relay Service

(S-y)

The minimum billing level for ATM Cell Relay Service is 100% of the monthly rates for the rate elements being discontinued, except the Cell Transfer service elements. The minimum billing level for the Cell Transfer service elements is 100% of the Cell Transfer Fixed monthly rate, plus the monthly rate for a PCRS, SCRS or UBRs Incremental Cell Transfer of 64 kbps on a 1.544 Mbps port, based on the customer's existing Pricing Plan term and the speed of the associated Cell Transfer; or the monthly rate for a PCRS, SCRS or UBRs Incremental Cell Transfer of 5 Mbps of bandwidth on a 45 Mbps port, based on the customer's existing Pricing Plan term and the speed of the associated Cell Transfer; or the monthly rate for a PCRS, SCRS or UBRs Cell Rate of 15 Mbps of bandwidth on a 155 Mbps port, based on the customer's existing Pricing Plan term and the speed of the associated Cell Transfer.

(S-y)

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Should the customer choose to discontinue fixed period service prior to completion of the minimum service period, termination charges will apply. The termination charge is 100% of the minimum billing level (as set forth in B., preceding), for the remaining months of the minimum service period, plus 15% for Public Packet Switching, or 25% for Frame Relay, or 40% for ATM CRS, MegaBit Service, LSS and MAS of the remaining portion of the fixed period service. Should the customer choose to discontinue fixed period service after the completion of the minimum period, termination charges equal to 15% for Public Packet Switching, 25% for Frame Relay, or 40% for ATM CRS, MegaBit Service, LSS and MAS of the minimum billing level for the remaining portion of the fixed period service will apply. For example, if a Frame Relay customer discontinues a service including the Access Link after completing 17 months of a 36 month term, the termination charge will be the minimum billing level for the service (as set forth in 1. and 2., preceding), multiplied by 25%, multiplied by 19 months.

(C)

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(y) Reissued matter filed under Transmittal No. 1061, to be effective March 29, 2000.

(Filed under Transmittal No. 1062.)

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Effective: April 4, 2000

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.4 TERMINATION LIABILITY AND WAIVER POLICY

C. Waiver Policy

A waiver of the termination charge as set forth in B., preceding, may occur if the customer moves to a different building within the Company territory or migrates to another Company service or transmission speed (e.g., 56 kbps FRS to 1.544 Mbps FRS, or changes in the Access Link, UNIT or NNIT transmission speeds) provided all of the following conditions are met:

- the customer must agree to a new pricing plan for the new service, except for FRS as set forth following and in 8.3.3.B.2.;
- the customer must satisfy the minimum service period requirement--should the customer choose to discontinue fixed period service prior to completion of the minimum service period, termination charges, as is set forth in B., preceding, will apply;
- the total value of the new service must be equal to or greater than 115% the remaining value of the existing pricing plan service (nonrecurring charges and Special Construction charges will not be used towards the Waiver calculation);
- the order to disconnect the existing service and the order for the new service are received by the Company at the same time and both orders must reference the application of the waiver policy;
- the new service due date must be within 30 days of the due date of the disconnection of the old service, unless the installation is delayed due to Company reasons;
- new minimum service period applies to the new service, except as set forth in 8.3.3.B.2., following.
- the customer agrees to pay all outstanding recurring and nonrecurring charges (these charges will not be included in the new service pricing plan); and
- applicable nonrecurring charges apply and are the charges in effect at the time the service is changed, except as set forth in 8.3.3.B.2. and 8.3.3.C., preceding.

(y) Reissued matter advanced from May 13, 2000 to April 15, 2000 under Special Permission No. 00-023.

(Filed under Transmittal No. 1065.)

Issued: April 14, 2000

Effective: April 15, 2000

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.4 TERMINATION LIABILITY AND WAIVER POLICY

D. Nonappropriations Clause

Termination Liability and Waiver Policy does not apply to ACS Pricing Plan services purchased by local, State or Federal government entities (or to customers who have purchased services solely for resale to local, State or Federal government entities) when they are discontinued prior to the completion of the fixed period service only when all of the following conditions are met:

- The service(s) purchased by the local, State or Federal government entity or by customers that have purchased services for resale to local, State or Federal government entities are utilized solely for provision of services for that local, State or Federal government entity,
- Funding for the fixed period service ordered by the authorized local, State or Federal government entity is included in the budget request for each fiscal period appropriation sufficient to cover the authorized local, State or Federal government entity's obligations under the fixed period service for that fiscal period,
- Nonappropriation may not be used as a means of terminating the service to acquire a functionally similar product or service,
- The local, State or Federal government entity ordered the fixed period service under the good faith belief that moneys in amounts sufficient to discharge its obligations could and would lawfully be appropriated and be made available for this purpose and,

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(y) Reissued matter advanced from May 13, 2000 to April 15, 2000 under Special Permission No. 00-023.

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Effective: April 15, 2000

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.4 TERMINATION LIABILITY AND WAIVER POLICY

D. Nonappropriations Clause (Cont'd)

- The local, State or Federal government entity or the customer who ordered the service on their behalf, must provide the Company notarized documents agreed upon by both the Company and the customer, showing that the entity is allotted insufficient funds for the remainder of the then current fiscal period (or for a succeeding fiscal period) by appropriation, appropriation limitation or grant to continue payments under the fixed period service and has no other funding source lawfully available to it for such purpose. The fixed period service may be terminated by giving the Company not less than thirty (30) days written notice. (Should the customer receive funding for the cancelled service prior to physical disconnect of service, the customer may cancel the disconnect order per Section 5.) Upon termination, the local, State or Federal government entity or the customer who ordered the service on their behalf, shall pay all applicable rates and nonrecurring charges of the fixed period service incurred through the date of termination and through the end of the then current fiscal period to the extent of lawfully available funds.

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(S-y)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS (Cont'd)

8.3.5 SPREAD OF NONRECURRING CHARGES

A. Frame Relay Service, MegaBit Service, ATM Cell Relay Service and LSS

At the customer's request, nonrecurring charges for FRS, MegaBit Service, ATM Cell Relay Service and/or LSS provided under the Pricing Plan may be amortized over the term of the fixed period and billed monthly. Nonrecurring charges billed in this manner (i.e., as an annuity), shall be subject to interest charges which the Company will include in each monthly installment.

(S-y)
(S-y)

The Company will calculate the monthly annuity, including principal and interest, using the following Annuity from a Present Amount formula:

$$\text{Monthly Annuity} = (\text{Nonrecurring Charge}) \frac{\frac{i}{12} \left(1 + \frac{i}{12}\right)^n}{\left(1 + \frac{i}{12}\right)^n - 1}$$

In the above formula, the variable "i" is the Company's Pretax Incremental Cost of Capital rate in effect when the monthly annuity amount is calculated. The variable "n" (an exponent) is the term of the fixed period in months.

- (y) Reissued matter advanced from May 13, 2000 to April 15, 2000 under Special Permission No. 00-023.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

8.3.5 SPREAD OF NONRECURRING CHARGES

A. Frame Relay Service, MegaBit Service, ATM Cell Relay Service and LSS (Cont'd)

(C)

If the customer discontinues FRS, ATM Cell Relay Service and/or LSS, changes to a lower speed service, moves or upgrades service, prior to the completion of the fixed period, the total remaining unpaid monthly annuity payments for the recovery of the nonrecurring charge must be paid immediately as a one-time charge. The Company will calculate this one-time charge using the following Present Value of an Annuity formula:

$$\text{One-time Charge} = (\text{Monthly Annuity}) \frac{\left(1 + \frac{i}{12}\right)^n - 1}{\frac{i}{12} \left(1 + \frac{i}{12}\right)^n}$$

In the formula directly above, the variable "i" is the Company's Pretax Incremental Cost of Capital in effect when the one-time charge amount is calculated. The variable "n" (an exponent) is the total number of remaining unpaid monthly annuity payments.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS (Cont'd)

8.3.6 PREPAYMENT DISCOUNT

A. Frame Relay Service, ATM Cell Relay Service and LSS

(C)

At the customer's request, recurring rates for FRS, ATM Cell Relay Service and/or LSS provided under a Pricing Plan may be prepaid in whole or in part. The Company will calculate the prepayment amount using the following Present Value of an Annuity formula:

(C)

(C)

$$\text{Prepayment} = (\text{Recurring Rate}) \frac{\left(1 + \frac{i}{12}\right)^n - 1}{\frac{i}{12} \left(1 + \frac{i}{12}\right)^n}$$

In the above formula, the variable "i" is equal to the Treasury rate plus a prepayment premium expressed as an Annual Percentage Rate (APR). The variable "n" (an exponent) is a fixed period in months for which the customer requests to prepay the recurring rate in whole or in part.

If the customer discontinues the prepaid service in whole or in part prior to the expiration of the original fixed period, the Company will calculate the Present Value of an Annuity refund amount by using the same rate at which the prepayment was initially calculated. From this credit, Termination Liability charges as specified in 8.3.4, preceding, are subtracted. If a credit balance remains, the Company will return it to the customer.

8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS

(D-x)

(D-x)

(x) Withdrawn material not yet in effect under authority of Special Permission No. 99-75.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS
Reserved for Future Use (Cont'd)

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Certain material previously found on this page can now be found on Page 8-64.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS
Reserved for Future Use (Cont'd)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS
Reserved for Future Use (Cont'd)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS
Reserved for Future Use (Cont'd)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS
Reserved for Future Use (Cont'd)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS
Reserved for Future Use (Cont'd)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS
Reserved for Future Use (Cont'd)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS
Reserved for Future Use (Cont'd)

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Certain material previously found on this page can now be found on Page 8-26.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.3 RATE REGULATIONS
Reserved for Future Use (Cont'd)

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Certain material previously found on this page can now be found on Pages 8-1 and 8-22.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.1 PUBLIC PACKET SWITCHING NETWORK

A. Access Connection - Monthly

1. PSSP Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• X.25 Protocol - Synchronous Analog per port with modem for transmission speeds of up to:			
- 2.4 kbps	LDZ24	\$154.00 (I)	\$175.00 (I)
- 4.8 kbps	LDZ48	154.00 (I)	175.00 (I)
- 9.6 kbps	LDZ96	154.00 (I)	175.00 (I)
• X.25 Protocol - Synchronous Digital per port with DSU for transmission speeds of:			
- 2.4 kbps	LDD24	154.00 (I)	175.00 (I)
- 4.8 kbps	LDD48	154.00 (I)	175.00 (I)
- 9.6 kbps	LDD96	154.00 (I)	175.00 (I)
- 56 kbps	LDD56	154.00 (I)	175.00 (I)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.1 PUBLIC PACKET SWITCHING NETWORK

A. Access Connection - Monthly (Cont'd)

2. PSN Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• X.25 Protocol - Synchronous Analog per port with modem for transmission speeds of up to: - 9.6 kbps	L5Z96	\$154.00 (I)	\$175.00 (I)
• X.25 Protocol - Synchronous Digital per port with DSU for transmission speeds of: - 9.6 kbps	L5D96	154.00 (I)	175.00 (I)
- 56 kbps	L5D56	154.00 (I)	175.00 (I)
• X.75 Protocol - Synchronous Analog per port with modem for transmission speeds of: - 9.6 kbps	LDZ97	154.00 (I)	175.00 (I)
• X.75 Protocol - Synchronous Digital per port with DSU for transmission speeds of: - 9.6 kbps	LDD97	154.00 (I)	175.00 (I)
- 56 kbps	LDD57	154.00 (I)	175.00 (I)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.1 PUBLIC PACKET SWITCHING NETWORK

A. Access Connection - Monthly (Cont'd)

3. Private Dial Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Asynchronous (X.3, X.28, X.29 Protocols) Analog per port with exchange dial access connection and modem for transmission speeds of:			
- 300 and 1200 bps and 2.4 kbps	LL512	\$154.00 (I)	\$252.00 (I)
- 9.6 kbps	LL596	154.00 (I)	252.00 (I)
• Synchronous (X.32 Protocol) Analog per port with exchange dial access connection and modem for a transmission speed of:			
- 9.6 kbps	L3XXE	154.00 (I)	252.00 (I)

(D)

(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.1 PUBLIC PACKET SWITCHING NETWORK (Cont'd)

B. Network Usage - Monthly

	RATE PER MINUTE
• Network Connect Time, per dial access minute or fraction thereof:	
- Day rate[1]	\$0.060 (I)
- Night rate[2]	0.060 (I)

(D)

(D)

[1] Day rate 6:00 a.m. - 6:00 p.m. Local time, Denver, CO.

[2] Night rate after 6:00 p.m. and before 6:00 a.m. Local time, Denver, CO.

(D)

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1801 California Street, Denver, Colorado 80202

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.1 PUBLIC PACKET SWITCHING NETWORK (Cont'd)

C. Port Features - Monthly

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• Incoming Calls Barred	LD91V	– (R)	–	(T)
• Outgoing Calls Barred	LD90V	– (R)	–	
• Two Way Access	LRV	– (R)	–	
• Auto Call, per destination address	LJP	\$10.00	\$1.00 (R)	(T)
• Call Redirection	LRD	22.00 (I)	8.00 (I)	
• Closed User Group	LDJ	22.00 (I)	8.00 (I)	
• Default Throughput Class	LHE	10.00	1.00	(N)
• Fast Select	FSF	10.00	1.00	(N)
• Fast Select Acceptance	LD5FS	10.00 (I)	1.00 (R)	
• Flow Control Parameters	LD5FC	– (R)	–	
• Link Level Parameters	LLE	10.00 (I)	1.00 (I)	
• Logical Channel Layout	LXN	10.00 (I)	1.00 (I)	
• Mnemonic Addressing	PJS	10.00	1.00 (I)	
• Multiple Port Hunt Groups, each address	LDM	22.00 (I)	8.00 (I)	
• Multiple Network Addresses, blocks of 10 addresses[1]	LDQ	10.00 (I)	1.00 (R)	
• Network Terminal Profile	LUZ	10.00 (I)	1.00 (I)	
• Nonstandard Packet Size	LNP	10.00	1.00	(N)

[1] One address is included with the port.
 Certain material previously found on this page can now be found on Page 8-82.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.1 PUBLIC PACKET SWITCHING NETWORK

C. Port Features - Monthly (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• Nonstandard Window Size	LNW	\$10.00 (I)	\$1.00 (R)	(M)
• Permanent Virtual Circuit	LDV	22.00 (I)	8.00 (I)	(M)
• Reverse Charge Option[1]	LD4	10.00 (I)	– (R)	(C)
• Reverse Charge Acceptance[1]	RBN	10.00 (I)	–	(C)
• Throughput Class Negotiation	LD1	10.00 (I)	1.00 (I)	
• Logical Channels, per port, per channel				
- First 2 channels	L38X1	– (R)	–	(C)
- Each additional channel	L38XA	10.00	1.00 (R)	
• X.25 Gateway Option (PSN X.25 Access Port only)				
- Three digit screening	GTW3X	22.00 (I)	8.00 (R)	
- Six digit screening	GTW6X	22.00 (I)	8.00 (R)	
- Changes and/or additions to three or six digit screening	NRBGT	10.00 (I)	1.00 (I)	
D. Rearrangement Charge, per rearrangement, per order	X25	27.00 (I)	–	

[1] The nonrecurring charge applies when this feature is installed subsequent to the initial installation of the service. (N)
(N)

Certain material on this page formerly appeared on Page 8-81.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.1 PUBLIC PACKET SWITCHING NETWORK (Cont'd)

E. Access Connection - 36 Months

1. PSSP Access Port

USOC	NONRECURRING CHARGE	MONTHLY RATE
------	------------------------	-----------------

- X.25 Protocol - Synchronous
Analog per port with modem
for transmission speeds of
up to:

- 2.4 kbps	L3L2C	\$154.00 (I)	\$157.50 (I)
- 4.8 kbps	L3L2D	154.00 (I)	157.50 (I)
- 9.6 kbps	L3L2E	154.00 (I)	157.50 (I)

- X.25 Protocol - Synchronous
Digital per port with DSU
for transmission speeds of:

- 2.4 kbps	L3S2C	154.00 (I)	157.50 (I)
- 4.8 kbps	L3S2D	154.00 (I)	157.50 (I)
- 9.6 kbps	L3S2E	154.00 (I)	157.50 (I)
- 56 kbps	L3S2G	154.00 (I)	157.50 (I)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.1 PUBLIC PACKET SWITCHING NETWORK

E. Access Connection - 36 Months (Cont'd)

2. PSN Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• X.25 Protocol - Synchronous Analog per port with modem for transmission speeds of up to:			
- 9.6 kbps	L3U2E	\$154.00 (I)	\$157.50 (I)
• X.25 Protocol - Synchronous Digital per port with DSU for transmission speeds of:			
- 9.6 kbps	L3V2E	154.00 (I)	157.50 (I)
- 56 kbps	L3V2G	154.00 (I)	157.50 (I)
• X.75 Protocol - Synchronous Analog per port with modem for transmission speeds of:			
- 9.6 kbps	L3L2K	154.00 (I)	157.50 (I)
• X.75 Protocol - Synchronous Digital per port with DSU for transmission speeds of:			
- 9.6 kbps	L3S2K	154.00 (I)	157.50 (I)
- 56 kbps	L3S2L	154.00 (I)	157.50 (I)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.1 PUBLIC PACKET SWITCHING NETWORK

E. Access Connection - 36 Months (Cont'd)

3. Private Dial Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Asynchronous (X.3, X.28, X.29 Protocols) Analog per port with exchange dial access connection and modem for transmission speeds of:			
- 300 and 1200 bps and 2.4 kbps	L352J	\$154.00 (I)	\$226.80 (I)
- 9.6 kbps	L352E	154.00 (I)	226.80 (I)
• Synchronous (X.32 Protocol) Analog per port with exchange dial access connection and modem for a transmission speed of:			
- 9.6 kbps	L3X2E	154.00 (I)	226.80 (I)

4. Port Features

• Logical Channels, per port, per channel				
- First 2 channels	L3821	— (R)	—	(C)
- Each additional channel	L382A	10.00	1.50	

(D)

(D)

(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.1 PUBLIC PACKET SWITCHING NETWORK (Cont'd)

F. Access Connection - 60 Months

1. PSSP Access Port

USOC	NONRECURRING CHARGE	MONTHLY RATE
------	------------------------	-----------------

- X.25 Protocol - Synchronous
Analog per port with modem
for transmission speeds
of up to:

- 2.4 kbps	L3L3C	\$154.00 (I)	\$140.00 (I)
- 4.8 kbps	L3L3D	154.00 (I)	140.00 (I)
- 9.6 kbps	L3L3E	154.00 (I)	140.00 (I)

- X.25 Protocol - Synchronous
Digital per port with DSU for
transmission speeds of:

- 2.4 kbps	L3S3C	154.00 (I)	140.00 (I)
- 4.8 kbps	L3S3D	154.00 (I)	140.00 (I)
- 9.6 kbps	L3S3E	154.00 (I)	140.00 (I)
- 56 kbps	L3S3G	154.00 (I)	140.00 (I)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.1 PUBLIC PACKET SWITCHING NETWORK

F. Access Connection - 60 Months (Cont'd)

2. PSN Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• X.25 Protocol - Synchronous Analog per port with modem for transmission speeds of up to:			
- 9.6 kbps	L3U3E	\$154.00 (I)	\$140.00 (I)
• X.25 Protocol - Synchronous Digital per port with DSU for transmission speeds of:			
- 9.6 kbps	L3V3E	154.00 (I)	140.00 (I)
- 56 kbps	L3V3G	154.00 (I)	140.00 (I)
• X.75 Protocol - Synchronous Analog per port with modem for transmission speeds of:			
- 9.6 kbps	L3L3K	154.00 (I)	140.00 (I)
• X.75 Protocol - Synchronous Digital per port with DSU for transmission speeds of:			
- 9.6 kbps	L3S3K	154.00 (I)	140.00 (I)
- 56 kbps	L3S3L	154.00 (I)	140.00 (I)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.1 PUBLIC PACKET SWITCHING NETWORK

F. Access Connection - 60 Months (Cont'd)

3. Private Dial Access Port

	USOC	NONRECURRING CHARGE	MONTHLY RATE
<ul style="list-style-type: none"> Asynchronous (X.3, X.28, X.29 Protocols) Analog per port with exchange dial access connection and modem for transmission speeds of: <ul style="list-style-type: none"> - 300 and 1200 bps and 2.4 kbps - 9.6 kbps 	L353J L353E	\$154.00 (I) 154.00 (I)	\$201.60 (I) 201.60 (I)
<ul style="list-style-type: none"> Synchronous (X.32 Protocol) Analog per port with exchange dial access connection and modem for a transmission speed of: <ul style="list-style-type: none"> - 9.6 kbps 	L3X3E	154.00 (I)	201.60 (I)

4. Port Features

<ul style="list-style-type: none"> Logical Channels, per port, per channel <ul style="list-style-type: none"> - First 2 channels - Each additional channel 	L3831 L383A	- (R) 10.00	- 1.00	(C)
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(D)

(D)

(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

8.4.2 FRAME RELAY SERVICE

A. Monthly

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Access Link, per Access Link				(T)
• 56 or 64 kbps	L7AXM	\$450.00	\$ 47.00	
• 2-Wire 128 kbps	L7TAM	450.00	45.00	
• 1.544 Mbps	L7AXM	450.00	126.50	
2. Stand-Alone Access Link, per Access Link				(T)
• 56 or 64 kbps	NNLXM	450.00	47.00	
• 1.544 Mbps	NNLXM	450.00	126.50	
3. User-To-Network Information Transfer (UNIT)				(T)
	USOC	NONRECURRING CHARGE		
• 56 or 64 kbps				
- First PVC	NRBF1	\$50.00		
- Each additional PVC	NRBF2	20.00		
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00		(T)

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A.3. (Cont'd)

	USOC	NONRECURRING CHARGE	
• 2-Wire 128 kbps			
- First PVC	NRBF7	\$300.00	(T)
- Each additional PVC	NRBF8	20.00	(T)
- Subsequent PVC(s) order charge, per order[1]	NRBF9	75.00	(T)
• 112 or 128 kbps (4-Wire), 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps			
- First PVC	NRBF1	250.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	
• 1.544 Mbps			
- First PVC	NRBF1	50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	
• 44.736 Mbps			
- First PVC	NRBF1	250.00	
- Each additional PVC	NRBF2	50.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	
• Fault Tolerant Service, per UNIT			
- Initial Service Establishment	NRBF4	500.00	
- Subsequent Service Establishment	NRBF5	50.00	
- Activation and Restoral	NRBF6	500.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge". (C)
(C)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A.3. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T9M	\$ 35.00	
- 1 PVC	17TAM	39.28	
- 2 PVCs	17TBM	44.53	
- 3 PVCs	17TCM	47.79	
- 4 PVCs	17TDM	51.06	
- 5 PVCs	17TEM	54.29	
- 6 PVCs through 14[1], per PVC	17TGM	1.24	
- 15 PVCs through 24[2], per PVC	17THM	0.27	
- Each additional PVC over 24[3], per PVC	17TJM	0.25	
• 2-Wire 128 kbps - UNIT, per Port			(N)
- 1 PVC	18TBM	95.00	
- 2 through 8 PVCs[4]	18TCM	8.30	(N)
• 112 or 128 kbps (4-Wire) - UNIT, per Port			(T)
- 1 PVC	17TAM	120.00	
- 2 PVCs	17TBM	123.00	
- 3 PVCs	17TCM	126.00	
- 4 PVCs	17TDM	129.00	
- 5 PVCs	17TEM	132.00	
- 6 PVCs through 14[1], per PVC	17TGM	1.20	
- 15 PVCs through 24[2], per PVC	17THM	0.85	
- Each additional PVC over 24[3], per PVC	17TJM	0.50	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

[4] For each PVC over 1, up to and including 8, add this rate to the monthly rate for 1 PVCs. (N)
(N)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A.3. (Cont'd)

	USOC	MONTHLY RATE
• 224 or 256 kbps - UNIT, per Port		
- 1 PVC	17TAM	\$ 160.00 (I)
- 2 PVCs	17TBM	166.00
- 3 PVCs	17TCM	172.00
- 4 PVCs	17TDM	178.00
- 5 PVCs	17TEM	184.00 (I)
- 6 PVCs through 14[1], per PVC	17TGM	2.35 (R)
- 15 PVCs through 24[2], per PVC	17THM	1.65 (I)
- Each additional PVC over 24[3], per PVC	17TJM	0.50 (I)
• 336 or 384 kbps - UNIT, per Port		
- 1 PVC	17TAM	200.00 (I)
- 2 PVCs	17TBM	208.75
- 3 PVCs	17TCM	217.50
- 4 PVCs	17TDM	226.25
- 5 PVCs	17TEM	235.00 (I)
- 6 PVCs through 14[1], per PVC	17TGM	3.50 (R)
- 15 PVCs through 24[2], per PVC	17THM	2.50 (I)
- Each additional PVC over 24[3], per PVC	17TJM	0.50 (R)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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1801 California Street, Denver, Colorado 80202

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A.3. (Cont'd)

	USOC	MONTHLY RATE
• 448 or 512 kbps - UNIT, per Port		
- 1 PVC	17TAM	\$235.00 (I)
- 2 PVCs	17TBM	244.50
- 3 PVCs	17TCM	254.00
- 4 PVCs	17TDM	263.50
- 5 PVCs	17TEM	273.00 (I)
- 6 PVCs through 14[1], per PVC	17TGM	3.75 (R)
- 15 PVCs through 24[2], per PVC	17THM	2.50 (I)
- Each additional PVC over 24[3], per PVC	17TJM	0.50 (R)
• 672 or 768 kbps - UNIT, per Port		
- 1 PVC	17TAM	310.00 (I)
- 2 PVCs	17TBM	324.00
- 3 PVCs	17TCM	338.00
- 4 PVCs	17TDM	352.00
- 5 PVCs	17TEM	366.00 (I)
- 6 PVCs through 14[1], per PVC	17TGM	4.00 (R)
- 15 PVCs through 24[2], per PVC	17THM	2.75 (R)
- Each additional PVC over 24[3], per PVC	17TJM	.85 (R)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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1801 California Street, Denver, Colorado 80202

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A.3. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T9M	\$ 215.00	(N)
- 1 PVC	17TAM	240.00	(T)
- 2 PVCs	17TBM	277.00	
- 3 PVCs	17TCM	314.00	
- 4 PVCs	17TDM	351.00	
- 5 PVCs	17TEM	388.00	
- 6 PVCs through 14[1], per PVC	17TGM	19.00	
- 15 PVCs through 24[2], per PVC	17THM	5.00	
- Each additional PVC over 24[3], per PVC	17TJM	0.50	
• 44.736 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T9M	3,500.00	(N)
- 1 PVC	17TUM	3,800.00	
- 2 PVCs through 50[4], per PVC	17TVM	30.00	
- 51 PVCs through 140[5], per PVC	17TWM	8.00	
- 141 PVCs through 240[6], per PVC	17TYM	4.00	
- 241 PVCs through 500[7], per PVC	17TZM	2.00	

- [1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.
- [2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.
- [3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.
- [4] For each PVC over 1, up to and including 50, add this rate to the monthly rate for 1 PVC.
- [5] For each PVC over 50, up to and including 140, add this rate to the total monthly rate for 50 PVCs.
- [6] For each PVC over 140, up to and including 240, add this rate to the total monthly rate for 140 PVCs.
- [7] For each PVC over 240, up to and including 500, add this rate to the total monthly rate for 240 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A. Monthly (Cont'd)

4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 1.544 Mbps		
- First PVC	NRBF1	50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

(C)
(C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A.4. (Cont'd)

	USOC	MONTHLY RATE
• 56 or 64 kbps - NNIT, per Port		
- 1 PVC	17TAM	\$38.00 (I)
- 2 PVCs	17TBM	42.35
- 3 PVCs	17TCM	46.70
- 4 PVCs	17TDM	51.05
- 5 PVCs	17TEM	55.40 (I)
- 6 PVCs through 14[1], per PVC	17TGM	0.50 (R)
- 15 PVCs through 24[2], per PVC	17THM	0.30 (I)
- Each additional PVC over 24[3], per PVC	17TJM	0.25 (I)
• 112 or 128 kbps - NNIT, per Port		
- 1 PVC	17TAM	85.00 (I)
- 2 PVCs	17TBM	88.00
- 3 PVCs	17TCM	91.00
- 4 PVCs	17TDM	94.00
- 5 PVCs	17TEM	97.00 (I)
- 6 PVCs through 14[1], per PVC	17TGM	1.20 (R)
- 15 PVCs through 24[2], per PVC	17THM	0.85 (I)
- Each additional PVC over 24[3], per PVC	17TJM	0.50 (I)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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1801 California Street, Denver, Colorado 80202

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A.4. (Cont'd)

	USOC	MONTHLY RATE
• 224 or 256 kbps - NNIT, per Port		
- 1 PVC	17TAM	\$125.00 (I)
- 2 PVCs	17TBM	131.00
- 3 PVCs	17TCM	137.00
- 4 PVCs	17TDM	143.00
- 5 PVCs	17TEM	149.00 (I)
- 6 PVCs through 14[1], per PVC	17TGM	2.35 (R)
- 15 PVCs through 24[2], per PVC	17THM	1.65 (I)
- Each additional PVC over 24[3], per PVC	17TJM	0.50 (I)
• 336 or 384 kbps - NNIT, per Port		
- 1 PVC	17TAM	170.00 (I)
- 2 PVCs	17TBM	178.75
- 3 PVCs	17TCM	187.50
- 4 PVCs	17TDM	196.25
- 5 PVCs	17TEM	205.00 (I)
- 6 PVCs through 14[1], per PVC	17TGM	3.50 (R)
- 15 PVCs through 24[2], per PVC	17THM	2.50 (I)
- Each additional PVC over 24[3], per PVC	17TJM	0.50 (I)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A.4. (Cont'd)

	USOC	MONTHLY RATE
• 448 or 512 kbps - NNIT, per Port		
- 1 PVC	17TAM	\$205.00 (I)
- 2 PVCs	17TBM	214.50
- 3 PVCs	17TCM	224.00
- 4 PVCs	17TDM	233.50
- 5 PVCs	17TEM	243.00 (I)
- 6 PVCs through 14[1], per PVC	17TGM	3.75 (R)
- 15 PVCs through 24[2], per PVC	17THM	2.50 (I)
- Each additional PVC over 24[3], per PVC	17TJM	0.50 (I)
• 672 or 768 kbps - NNIT, per Port		
- 1 PVC	17TAM	280.00 (I)
- 2 PVCs	17TBM	293.00
- 3 PVCs	17TCM	306.00
- 4 PVCs	17TDM	319.00
- 5 PVCs	17TEM	332.00 (I)
- 6 PVCs through 14[1], per PVC	17TGM	3.75 (R)
- 15 PVCs through 24[2], per PVC	17THM	2.50 (R)
- Each additional PVC over 24[3], per PVC	17TJM	0.50 (R)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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1801 California Street, Denver, Colorado 80202

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A.4. (Cont'd)

	USOC	MONTHLY RATE
• 1.544 Mbps - NNIT, per Port		
- 1 PVC	17TAM	\$210.00 (I)
- 2 PVCs	17TBM	247.00
- 3 PVCs	17TCM	284.00
- 4 PVCs	17TDM	321.00
- 5 PVCs	17TEM	358.00 (I)
- 6 PVCs through 14[1], per PVC	17TGM	19.00 (R)
- 15 PVCs through 24[2], per PVC	17THM	5.00 (I)
- Each additional PVC over 24[3], per PVC	17TJM	0.50 (I)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A. Monthly (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Central Office Connecting Channel				
• Per connection between a Multiplexer and FRS Port or between another Company facility port and an FRS Port				(T) (T)
- For speeds up to 1.544 Mbps	CU5RR	\$25.00	\$ 0.65	(T)
- For speeds up to 44.736 Mbps	CU5RR	50.00	10.00	(N)
6. Transport Channels[1]				
7. Optional Features and Functions				
• Utilization Information Report				
- Per FRS	U1RFR	40.00	25.00	
- Per individual report, per FRS	U1RFR	50.00	—	
• Customer Network Management (CNM)				
- Per workstation registered address initial setup	NM6XM	15.00	67.00	
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—	

[1] See Section 7 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A.7. (Cont'd)

	USOC	NONRECURRING CHARGE	
• Multicast			
- First Multicast-dedicated PVC, per port	L8GMX	\$40.00	
- Each additional Multicast- dedicated PVC, per port	L8GNX	20.00	
	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Priority UNIT PVC[1], per PVC			
- 56 or 64 kbps	PV7XM	\$50.00	\$5.00
- 112 or 128 kbps	PV7XM	50.00	5.83
- 224 or 256 kbps	PV7XM	50.00	6.67
- 336 or 384 kbps	PV7XM	50.00	7.50
- 448 or 512 kbps	PV7XM	50.00	8.33
- 672 or 768 kbps	PV7XM	50.00	9.17
- 1.544 Mbps	PV7XM	50.00	10.00
- 44.736 Mbps	PV7XM	50.00	10.00

[1] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

A.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Per Video PVC[1]				
- 384 kbps CIR	PVUEM	\$700.00	\$20.00	
- 512 kbps CIR	PVUFM	700.00	30.00	(N)

[1] Video PVC rates and charges apply in addition to the 1.544 Mbps UNIT PVC rates and charges set forth preceding.

(N)
(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE (Cont'd)

B. 12 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE
1. Access Link, per Access Link			
• 56 or 64 kbps	L7AX1	\$450.00	\$ 44.65
• 2-Wire 128 kbps	L7TA1	450.00	40.50
• 1.544 Mbps	L7AX1	450.00	120.18
2. Stand-Alone Access Link per Access Link			
• 56 or 64 kbps	NNLX1	450.00	44.65
• 1.544 Mbps	NNLX1	450.00	120.18
3. User-To-Network Information Transfer (UNIT)			
	USOC	NONRECURRING CHARGE	
• 56 or 64 kbps			
- First PVC	NRBF1	\$50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

(C)
(C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B.3. (Cont'd)

	USOC	NONRECURRING CHARGE	
• 2-Wire 128 kbps			
- First PVC	NRBF7	\$300.00	(T)
- Each additional PVC	NRBF8	20.00	(T)
- Subsequent PVC(s) order charge, per order[1]	NRBF9	75.00	(T)
• 112 or 128 kbps (4-Wire), 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps			
- First PVC	NRBF1	250.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	
• 1.544 Mbps			
- First PVC	NRBF1	50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	
• 44.736 Mbps			
- First PVC	NRBF1	250.00	
- Each additional PVC	NRBF2	50.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	
• Fault Tolerant Service, per UNIT			
- Initial Service Establishment	NRBF4	500.00	
- Subsequent Service Establishment	NRBF5	50.00	
- Activation and Restoral	NRBF6	500.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge". (C)
(C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B.3. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T91	\$ 33.25	
- 1 PVC	17TA1	37.32	
- 2 PVCs	17TB1	42.30	
- 3 PVCs	17TC1	45.40	
- 4 PVCs	17TD1	48.51	
- 5 PVCs	17TE1	51.58	
- 6 PVCs through 14[1], per PVC	17TG1	1.18	
- 15 PVCs through 24[2], per PVC	17TH1	0.26	
- Each additional PVC over 24[3], per PVC	17TJ1	0.25	
• 2-Wire 128 kbps - UNIT, per Port			(N)
- 1 PVC	18TB1	85.50	
- 2 through 8 PVCs[4]	18TC1	7.47	(N)
• 112 or 128 kbps (4Wire) - UNIT, per Port			(T)
- 1 PVC	17TA1	114.00	
- 2 PVCs	17TB1	116.85	
- 3 PVCs	17TC1	119.70	
- 4 PVCs	17TD1	122.55	
- 5 PVCs	17TE1	125.40	
- 6 PVCs through 14[1], per PVC	17TG1	1.15	
- 15 PVCs through 24[2], per PVC	17TH1	0.80	
- Each additional PVC over 24[3], per PVC	17TJ1	0.50	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

[4] For each PVC over 1, up to and including 8, add this rate to the monthly rate for 1 PVCs. (N)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B.3. (Cont'd)

	USOC	MONTHLY RATE
• 224 or 256 kbps - UNIT, per Port		
- 1 PVC	17TA1	\$152.00 (I)
- 2 PVCs	17TB1	157.70
- 3 PVCs	17TC1	163.40
- 4 PVCs	17TD1	169.10
- 5 PVCs	17TE1	174.80 (I)
- 6 PVCs through 14[1], per PVC	17TG1	2.25 (R)
- 15 PVCs through 24[2], per PVC	17TH1	1.55 (I)
- Each additional PVC over 24[3], per PVC	17TJ1	0.50 (I)
• 336 or 384 kbps - UNIT, per Port		
- 1 PVC	17TA1	190.00 (I)
- 2 PVCs	17TB1	198.30
- 3 PVCs	17TC1	206.65
- 4 PVCs	17TD1	214.95
- 5 PVCs	17TE1	223.25 (I)
- 6 PVCs through 14[1], per PVC	17TG1	3.35 (R)
- 15 PVCs through 24[2], per PVC	17TH1	2.40 (I)
- Each additional PVC over 24[3], per PVC	17TJ1	0.50 (R)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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1801 California Street, Denver, Colorado 80202

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B.3. (Cont'd)

	USOC	MONTHLY RATE
• 448 or 512 kbps - UNIT, per Port		
- 1 PVC	17TA1	\$223.25 (I)
- 2 PVCs	17TB1	232.30
- 3 PVCs	17TC1	241.30
- 4 PVCs	17TD1	250.35
- 5 PVCs	17TE1	259.35 (I)
- 6 PVCs through 14[1], per PVC	17TG1	3.55 (R)
- 15 PVCs through 24[2], per PVC	17TH1	2.40 (I)
- Each additional PVC over 24[3], per PVC	17TJ1	0.50 (R)
• 672 or 768 kbps - UNIT, per Port		
- 1 PVC	17TA1	294.50 (I)
- 2 PVCs	17TB1	307.80
- 3 PVCs	17TC1	321.10
- 4 PVCs	17TD1	334.40
- 5 PVCs	17TE1	347.70 (I)
- 6 PVCs through 14[1], per PVC	17TG1	3.80 (R)
- 15 PVCs through 24[2], per PVC	17TH1	2.60 (R)
- Each additional PVC over 24[3], per PVC	17TJ1	0.80 (R)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B.3. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T91	\$ 204.25	(N)
- 1 PVC	17TA1	228.00	(T)
- 2 PVCs	17TB1	263.15	
- 3 PVCs	17TC1	298.30	
- 4 PVCs	17TD1	333.45	
- 5 PVCs	17TE1	368.60	
- 6 PVCs through 14[1], per PVC	17TG1	18.05	
- 15 PVCs through 24[2], per PVC	17TH1	4.75	
- Each additional PVC over 24[3], per PVC	17TJ1	0.50	
• 44.736 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T91	3,325.00	(N)
- 1 PVC	17TU1	3,610.00	
- 2 PVCs through 50[4], per PVC	17TV1	28.50	
- 51 PVCs through 140[5], per PVC	17TW1	7.60	
- 141 PVCs through 240[6], per PVC	17TY1	3.80	
- 241 PVCs through 500[7], per PVC	17TZ1	1.90	

- [1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.
- [2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.
- [3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.
- [4] For each PVC over 1, up to and including 50, add this rate to the monthly rate for 1 PVC.
- [5] For each PVC over 50, up to and including 140, add this rate to the total monthly rate for 50 PVCs.
- [6] For each PVC over 140, up to and including 240, add this rate to the total monthly rate for 140 PVCs.
- [7] For each PVC over 240, up to and including 500, add this rate to the total monthly rate for 240 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B. Monthly (Cont'd)

4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 1.544 Mbps		
- First PVC	NRBF1	50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

(C)
(C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B.4. (Cont'd)

	USOC	MONTHLY RATE
• 56 or 64 kbps - NNIT, per Port		
- 1 PVC	17TA1	\$36.10 (I)
- 2 PVCs	17TB1	40.25
- 3 PVCs	17TC1	44.35
- 4 PVCs	17TD1	48.50
- 5 PVCs	17TE1	52.65 (I)
- 6 PVCs through 14[1], per PVC	17TG1	0.50 (R)
- 15 PVCs through 24[2], per PVC	17TH1	0.30 (I)
- Each additional PVC over 24[3], per PVC	17TJ1	0.25 (I)
• 112 or 128 kbps - NNIT, per Port		
- 1 PVC	17TA1	80.75 (I)
- 2 PVCs	17TB1	83.60
- 3 PVCs	17TC1	86.45
- 4 PVCs	17TD1	89.30
- 5 PVCs	17TE1	92.15 (I)
- 6 PVCs through 14[1], per PVC	17TG1	1.15 (R)
- 15 PVCs through 24[2], per PVC	17TH1	0.80 (I)
- Each additional PVC over 24[3], per PVC	17TJ1	0.50 (I)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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1801 California Street, Denver, Colorado 80202

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B.4. (Cont'd)

	USOC	MONTHLY RATE
• 224 or 256 kbps - NNIT, per Port		
- 1 PVC	17TA1	\$118.75 (I)
- 2 PVCs	17TB1	124.45
- 3 PVCs	17TC1	130.15
- 4 PVCs	17TD1	135.85
- 5 PVCs	17TE1	141.55 (I)
- 6 PVCs through 14[1], per PVC	17TG1	2.25 (R)
- 15 PVCs through 24[2], per PVC	17TH1	1.55 (I)
- Each additional PVC over 24[3], per PVC	17TJ1	0.50 (I)
• 336 or 384 kbps - NNIT, per Port		
- 1 PVC	17TA1	161.50 (I)
- 2 PVCs	17TB1	169.80
- 3 PVCs	17TC1	178.15
- 4 PVCs	17TD1	186.45
- 5 PVCs	17TE1	194.75 (I)
- 6 PVCs through 14[1], per PVC	17TG1	3.35 (R)
- 15 PVCs through 24[2], per PVC	17TH1	2.40 (I)
- Each additional PVC over 24[3], per PVC	17TJ1	0.50 (I)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B.4. (Cont'd)

	USOC	MONTHLY RATE
• 448 or 512 kbps - NNIT, per Port		
- 1 PVC	17TA1	\$194.75 (I)
- 2 PVCs	17TB1	203.80
- 3 PVCs	17TC1	212.80
- 4 PVCs	17TD1	221.85
- 5 PVCs	17TE1	230.85 (I)
- 6 PVCs through 14[1], per PVC	17TG1	3.55 (R)
- 15 PVCs through 24[2], per PVC	17TH1	2.40 (I)
- Each additional PVC over 24[3], per PVC	17TJ1	0.50 (I)
• 672 or 768 kbps - NNIT, per Port		
- 1 PVC	17TA1	266.00 (I)
- 2 PVCs	17TB1	278.35
- 3 PVCs	17TC1	290.70
- 4 PVCs	17TD1	303.05
- 5 PVCs	17TE1	315.40 (I)
- 6 PVCs through 14[1], per PVC	17TG1	3.55 (R)
- 15 PVCs through 24[2], per PVC	17TH1	2.40 (R)
- Each additional PVC over 24[3], per PVC	17TJ1	0.50 (R)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B.4. (Cont'd)

	USOC	MONTHLY RATE
• 1.544 Mbps - NNIT, per Port		
- 1 PVC	17TA1	\$199.50 (I)
- 2 PVCs	17TB1	234.65
- 3 PVCs	17TC1	269.80
- 4 PVCs	17TD1	304.95
- 5 PVCs	17TE1	340.10 (I)
- 6 PVCs through 14[1], per PVC	17TG1	18.05 (R)
- 15 PVCs through 24[2], per PVC	17TH1	4.75 (I)
- Each additional PVC over 24[3], per PVC	17TJ1	0.50 (I)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B. 12 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Central Office Connecting Channel				
• Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port				(T) (T)
- For speeds up to 1.544 Mbps	CU5SR	\$25.00	\$0.62	(T)
- For speeds up to 44.736 Mbps	CU5SR	50.00	9.50	(N)
6. Transport Channels[1]				
7. Optional Features and Functions				
• Customer Network Management (CNM)				
- Per workstation registered address initial setup	NM6X1	15.00	63.65	
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—	

[1] See Section 7 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Priority UNIT PVC[1], per PVC				
- 56 or 64 kbps	PV7X1	\$50.00	\$4.75	
- 112 or 128 kbps	PV7X1	50.00	5.54	
- 224 or 256 kbps	PV7X1	50.00	6.34	
- 336 or 384 kbps	PV7X1	50.00	7.13	
- 448 or 512 kbps	PV7X1	50.00	7.91	
- 672 or 768 kbps	PV7X1	50.00	8.71	
- 1.544 Mbps	PV7X1	50.00	9.50	
- 44.736 Mbps	PV7X1	50.00	9.50	(N)

[1] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

B.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Per Video PVC[1]				
- 384 kbps CIR	PVUE1	\$700.00	\$19.00	
- 512 kbps CIR	PVUF1	700.00	28.50	(N)

[1] Video PVC rates and charges apply in addition to the 1.544 Mbps UNIT PVC rates and charges set forth preceding.

(N)
(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE (Cont'd)

C. 24 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE
1. Access Link, per Access Link			
• 56 or 64 kbps	L7AX2	\$450.00	\$ 44.05
• 1.544 Mbps	L7AX2	450.00	118.59
2. Stand-Alone Access Link per Access Link			
• 56 or 64 kbps	NNLX2	450.00	44.05
• 1.544 Mbps	NNLX2	450.00	118.59
3. User-To-Network Information Transfer (UNIT)			
	USOC	NONRECURRING CHARGE	
• 56 or 64 kbps			
- First PVC	NRBF1	\$50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C.3. (Cont'd)

	USOC	NONRECURRING CHARGE
• 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps		
- First PVC	NRBF1	\$250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 1.544 Mbps		
- First PVC	NRBF1	50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 44.736 Mbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	50.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• Fault Tolerant Service, per UNIT		
- Initial Service Establishment	NRBF4	500.00
- Subsequent Service Establishment	NRBF5	50.00
- Activation and Restoral	NRBF6	500.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

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(C)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C.3. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T92	\$ 32.81	(N)
- 1 PVC	17TA2	36.83	(T)
- 2 PVCs	17TB2	41.75	
- 3 PVCs	17TC2	44.80	
- 4 PVCs	17TD2	47.87	
- 5 PVCs	17TE2	50.90	
- 6 PVCs through 14[1], per PVC	17TG2	1.16	
- 15 PVCs through 24[2], per PVC	17TH2	0.25	
- Each additional PVC over 24[3], per PVC	17TJ2	0.25	
• 112 or 128 kbps - UNIT, per Port			
- 1 PVC	17TA2	112.50	
- 2 PVCs	17TB2	115.30	
- 3 PVCs	17TC2	118.15	
- 4 PVCs	17TD2	120.95	
- 5 PVCs	17TE2	123.75	
- 6 PVCs through 14[1], per PVC	17TG2	1.15	
- 15 PVCs through 24[2], per PVC	17TH2	0.80	
- Each additional PVC over 24[3], per PVC	17TJ2	0.45	

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C.3. (Cont'd)

	USOC	MONTHLY RATE
• 224 or 256 kbps - UNIT, per Port		
- 1 PVC	17TA2	\$150.00 (I)
- 2 PVCs	17TB2	155.65
- 3 PVCs	17TC2	161.25
- 4 PVCs	17TD2	166.90
- 5 PVCs	17TE2	172.50 (I)
- 6 PVCs through 14[1], per PVC	17TG2	2.20 (R)
- 15 PVCs through 24[2], per PVC	17TH2	1.55 (I)
- Each additional PVC over 24[3], per PVC	17TJ2	0.45 (I)
• 336 or 384 kbps - UNIT, per Port		
- 1 PVC	17TA2	187.50 (I)
- 2 PVCs	17TB2	195.70
- 3 PVCs	17TC2	203.90
- 4 PVCs	17TD2	212.10
- 5 PVCs	17TE2	220.30 (I)
- 6 PVCs through 14[1], per PVC	17TG2	3.30 (R)
- 15 PVCs through 24[2], per PVC	17TH2	2.35 (I)
- Each additional PVC over 24[3], per PVC	17TJ2	0.45 (R)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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1801 California Street, Denver, Colorado 80202

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C.3. (Cont'd)

	USOC	MONTHLY RATE
• 448 or 512 kbps - UNIT, per Port		
- 1 PVC	17TA2	\$220.30 (I)
- 2 PVCs	17TB2	229.20
- 3 PVCs	17TC2	238.15
- 4 PVCs	17TD2	247.05
- 5 PVCs	17TE2	255.95 (I)
- 6 PVCs through 14[1], per PVC	17TG2	3.50 (R)
- 15 PVCs through 24[2], per PVC	17TH2	2.35 (I)
- Each additional PVC over 24[3], per PVC	17TJ2	0.45 (R)
• 672 or 768 kbps - UNIT, per Port		
- 1 PVC	17TA2	290.65 (I)
- 2 PVCs	17TB2	303.75
- 3 PVCs	17TC2	316.90
- 4 PVCs	17TD2	330.00
- 5 PVCs	17TE2	343.15 (I)
- 6 PVCs through 14[1], per PVC	17TG2	3.75 (R)
- 15 PVCs through 24[2], per PVC	17TH2	2.60 (R)
- Each additional PVC over 24[3], per PVC	17TJ2	0.80 (R)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C.3. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T92	\$ 201.56	(N)
- 1 PVC	17TA2	225.00	(T)
- 2 PVCs	17TB2	259.70	
- 3 PVCs	17TC2	294.40	
- 4 PVCs	17TD2	329.05	
- 5 PVCs	17TE2	363.75	
- 6 PVCs through 14[1], per PVC	17TG2	17.80	
- 15 PVCs through 24[2], per PVC	17TH2	4.70	
- Each additional PVC over 24[3], per PVC	17TJ2	0.45	
• 44.736 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T92	3,281.25	(N)
- 1 PVC	17TU2	3,562.50	
- 2 PVCs through 50[4], per PVC	17TV2	28.13	
- 51 PVCs through 140[5], per PVC	17TW2	7.50	
- 141 PVCs through 240[6], per PVC	17TY2	3.75	
- 241 PVCs through 500[7], per PVC	17TZ2	1.88	

- [1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.
- [2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.
- [3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.
- [4] For each PVC over 1, up to and including 50, add this rate to the monthly rate for 1 PVC.
- [5] For each PVC over 50, up to and including 140, add this rate to the total monthly rate for 50 PVCs.
- [6] For each PVC over 140, up to and including 240, add this rate to the total monthly rate for 140 PVCs.
- [7] For each PVC over 240, up to and including 500, add this rate to the total monthly rate for 240 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C. 24 Months (Cont'd)

4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 1.544 Mbps		
- First PVC	NRBF1	50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

(C)
(C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C.4. (Cont'd)

	USOC	MONTHLY RATE
• 56 or 64 kbps - NNIT, per Port		
- 1 PVC	17TA2	\$35.65 (I)
- 2 PVCs	17TB2	39.70
- 3 PVCs	17TC2	43.80
- 4 PVCs	17TD2	47.85
- 5 PVCs	17TE2	51.95 (I)
- 6 PVCs through 14[1], per PVC	17TG2	0.45 (R)
- 15 PVCs through 24[2], per PVC	17TH2	0.30 (I)
- Each additional PVC over 24[3], per PVC	17TJ2	0.25 (I)
• 112 or 128 kbps - NNIT, per Port		
- 1 PVC	17TA2	79.70 (I)
- 2 PVCs	17TB2	82.50
- 3 PVCs	17TC2	85.30
- 4 PVCs	17TD2	88.15
- 5 PVCs	17TE2	90.95 (I)
- 6 PVCs through 14[1], per PVC	17TG2	1.15 (R)
- 15 PVCs through 24[2], per PVC	17TH2	0.80 (I)
- Each additional PVC over 24[3], per PVC	17TJ2	0.45 (I)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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1801 California Street, Denver, Colorado 80202

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C.4. (Cont'd)

	USOC	MONTHLY RATE
• 224 or 256 kbps - NNIT, per Port		
- 1 PVC	17TA2	\$117.20 (I)
- 2 PVCs	17TB2	122.80
- 3 PVCs	17TC2	128.45
- 4 PVCs	17TD2	134.05
- 5 PVCs	17TE2	139.70 (I)
- 6 PVCs through 14[1], per PVC	17TG2	2.20 (R)
- 15 PVCs through 24[2], per PVC	17TH2	1.55 (I)
- Each additional PVC over 24[3], per PVC	17TJ2	0.45 (I)
• 336 or 384 kbps - NNIT, per Port		
- 1 PVC	17TA2	159.40 (I)
- 2 PVCs	17TB2	167.60
- 3 PVCs	17TC2	175.80
- 4 PVCs	17TD2	184.00
- 5 PVCs	17TE2	192.20 (I)
- 6 PVCs through 14[1], per PVC	17TG2	3.30 (R)
- 15 PVCs through 24[2], per PVC	17TH2	2.35 (I)
- Each additional PVC over 24[3], per PVC	17TJ2	0.45 (I)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C.4. (Cont'd)

	USOC	MONTHLY RATE
• 448 or 512 kbps - NNIT, per Port		
- 1 PVC	17TA2	\$192.20 (I)
- 2 PVCs	17TB2	201.10
- 3 PVCs	17TC2	210.00
- 4 PVCs	17TD2	218.90
- 5 PVCs	17TE2	227.80 (I)
- 6 PVCs through 14[1], per PVC	17TG2	3.50 (R)
- 15 PVCs through 24[2], per PVC	17TH2	2.35 (I)
- Each additional PVC over 24[3], per PVC	17TJ2	0.45 (I)
• 672 or 768 kbps - NNIT, per Port		
- 1 PVC	17TA2	262.50 (I)
- 2 PVCs	17TB2	274.70
- 3 PVCs	17TC2	286.90
- 4 PVCs	17TD2	299.05
- 5 PVCs	17TE2	311.25 (I)
- 6 PVCs through 14[1], per PVC	17TG2	3.50 (R)
- 15 PVCs through 24[2], per PVC	17TH2	2.35 (R)
- Each additional PVC over 24[3], per PVC	17TJ2	0.45 (R)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C.4. (Cont'd)

	USOC	MONTHLY RATE
• 1.544 Mbps - NNIT, per Port		
- 1 PVC	17TA2	\$196.90 (I)
- 2 PVCs	17TB2	231.55
- 3 PVCs	17TC2	266.25
- 4 PVCs	17TD2	300.95
- 5 PVCs	17TE2	335.65 (I)
- 6 PVCs through 14[1], per PVC	17TG2	17.80 (R)
- 15 PVCs through 24[2], per PVC	17TH2	4.70 (I)
- Each additional PVC over 24[3], per PVC	17TJ2	0.45 (I)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C. 24 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Central Office Connecting Channel				
• Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port				(T) (T)
- For speeds up to 1.544 Mbps	CU5TR	\$25.00	\$0.62	(T)
- For speeds up to 44.736 Mbps	CU5TR	50.00	9.38	(N)
6. Transport Channels[1]				
7. Optional Features and Functions				
• Customer Network Management (CNM)				
- Per workstation registered address initial setup	NM6X2	15.00	62.81	
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—	

[1] See Section 7 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Priority UNIT PVC[1], per PVC				
- 56 or 64 kbps	PV7X2	\$50.00	\$4.69	
- 112 or 128 kbps	PV7X2	50.00	5.47	
- 224 or 256 kbps	PV7X2	50.00	6.25	
- 336 or 384 kbps	PV7X2	50.00	7.03	
- 448 or 512 kbps	PV7X2	50.00	7.81	
- 672 or 768 kbps	PV7X2	50.00	8.60	
- 1.544 Mbps	PV7X2	50.00	9.38	
- 44.736 Mbps	PV7X2	50.00	9.38	(N)

[1] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

(N)
(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

C.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Per Video PVC[1]				
- 384 kbps CIR	PVUE2	\$700.00	\$18.75	
- 512 kbps CIR	PVUF2	700.00	28.13	(N)

[1] Video PVC rates and charges apply in addition to the 1.544 Mbps UNIT PVC rates and charges set forth preceding.

(N)
(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE (Cont'd)

D. 36 Months (T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Access Link, per Access Link				
• 56 or 64 kbps	L7AX3	\$450.00	\$ 43.50	
- Vintage[1]			16.17	(N)
- Vintage[2]			17.82	
- Vintage[3]			37.70	(N)
• 2-Wire 128 kbps	L7TA3	450.00	38.25	
• 1.544 Mbps	L7AX3	450.00	117.01	
- Vintage[1]			107.09	(N)
- Vintage[2]			108.84	(N)
2. Stand-Alone Access Link per Access Link				
• 56 or 64 kbps	NNLX3	450.00	43.50	
- Vintage[3]			37.30	(N)
• 1.544 Mbps	NNLX3	450.00	117.01	
3. User-To-Network Information Transfer (UNIT)				
	USOC	NONRECURRING CHARGE		
• 56 or 64 kbps				
- First PVC	NRBF1	\$50.00		
- Each additional PVC	NRBF2	20.00		
- Subsequent PVC(s) order charge, per order[4]	NRBFO	75.00		(T)
				(D)
[1] Vintage rate in effect 10/12/92 through 1/16/94.				(N)
[2] Vintage rate in effect 1/17/94 through 11/13/94.				
[3] Vintage rate in effect 11/14/94 through 12/13/96.				(N)
[4] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".				(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.3. (Cont'd)

	USOC	NONRECURRING CHARGE	
• 2-Wire 128 kbps			
- First PVC	NRBF7	\$300.00	(T)
- Each additional PVC	NRBF8	20.00	(T)
- Subsequent PVC(s) order charge, per order[1]	NRBF9	75.00	(T)
• 112 or 128 kbps (4-Wire), 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps			
- First PVC	NRBF1	250.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	
• 1.544 Mbps			
- First PVC	NRBF1	50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	
• 44.736 Mbps			
- First PVC	NRBF1	250.00	
- Each additional PVC	NRBF2	50.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	
• Fault Tolerant Service, per UNIT			
- Initial Service Establishment	NRBF4	500.00	
- Subsequent Service Establishment	NRBF5	50.00	
- Activation and Restoral	NRBF6	500.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge". (C)
(C)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.3. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T93	\$ 32.38	
- 1 PVC	17TA3	36.33	
- 2 PVCs	17TB3	41.19	
- 3 PVCs	17TC3	44.21	
- 4 PVCs	17TD3	47.23	
- 5 PVCs	17TE3	50.22	
- 6 PVCs through 14[1], per PVC	17TG3	1.15	
Vintage[2]		1.03	(N)
- 15 PVCs through 24[3], per PVC	17TH3	0.25	(T)
Vintage[2]		0.21	(N)
- Each additional PVC over 24[4], per PVC	17TJ3	0.25	(T)
Vintage[2]		0.19	(N)
• 2-Wire 128 kbps - UNIT, per Port			
- 1 PVC	18TB3	80.75	
- 2 through 8 PVCs[5]	18TC3	7.06	(T)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] Vintage rate in effect 1/17/94 through 11/13/94. (N)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

[5] For each PVC over 1, up to and including 8, add this rate to the monthly rate for 1 PVCs. (T)

Certain material previously found on this page can now be found on Page 8-99.1.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.3. (Cont'd)

	USOC	MONTHLY RATE	(M)
• 112 or 128 kbps (4-Wire)- UNIT, per Port			
- 1 PVC	17TA3	\$111.00	(T)
Vintage[1]		65.95	(N)
- 2 PVCs	17TB3	113.80	(M)
Vintage[1]		68.83	(N)
- 3 PVCs	17TC3	116.55	(M)
Vintage[1]		72.07	(N)
- 4 PVCs	17TD3	119.35	(M)
Vintage[1]		75.31	(N)
- 5 PVCs	17TE3	122.10	(M)
Vintage[1]		78.54	(N)
- 6 PVCs through 14[2], per PVC	17TG3	1.10	(T)
- 15 PVCs through 24[3], per PVC	17TH3	0.80	(T)
Vintage[1]		0.43	(N)
- Each additional PVC over 24[4], per PVC	17TJ3	0.45	(T)
Vintage[1]		0.18	(N)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (M)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

Certain material on this page formerly appeared on Page 8-99.

Certain material previously found on this page can now be found on Page 8-99.1.1.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.3. (Cont'd)

	USOC	MONTHLY RATE	(T)
• 224 or 256 kbps - UNIT, per Port			(M)
- 1 PVC	17TA3	\$148.00	(M)
Vintage[1]		88.54	(N)
- 2 PVCs	17TB3	153.55	(M)
Vintage[1]		94.75	(N)
- 3 PVCs	17TC3	159.10	(M)
Vintage[1]		100.95	(N)
- 4 PVCs	17TD3	164.65	(M)
Vintage[1]		107.14	(N)
- 5 PVCs	17TE3	170.20	(M)
Vintage[1]		113.33	(N)
- 6 PVCs through 14[2], per PVC	17TG3	2.15	(T)
- 15 PVCs through 24[3], per PVC	17TH3	1.55	(T)
Vintage[1]		0.94	(N)
- Each additional PVC over 24[4],per PVC	17TJ3	0.45	(T)
Vintage[1]		0.35	(N)
• 336 or 384 kbps - UNIT, per Port			(M)
- 1 PVC	17TA3	185.00	(M)
Vintage[1]		111.49	(N)
- 2 PVCs	17TB3	193.10	(M)
Vintage[1]		120.65	(N)
- 3 PVCs	17TC3	201.20	(M)
Vintage[1]		129.81	(N)
- 4 PVCs	17TD3	209.30	(M)
Vintage[1]		139.77	(N)
- 5 PVCs	17TE3	217.40	(M)
Vintage[1]		149.73	(N)
- 6 PVCs through 14[2], per PVC	17TG3	3.25	(T)
- 15 PVCs through 24[3], per PVC	17TH3	2.30	(T)
Vintage[1]		1.41	(N)
- Each additional PVC over 24[4],per PVC	17TJ3	0.45	(T)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(M)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)
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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.3. (Cont'd)

	USOC	MONTHLY RATE	
• 448 or 512 kbps - UNIT, per Port			
- 1 PVC	17TA3	\$217.40	
Vintage[1]		134.45	(N)
- 2 PVCs	17TB3	226.15	
Vintage[1]		146.56	(N)
- 3 PVCs	17TC3	234.95	
Vintage[1]		158.67	(N)
- 4 PVCs	17TD3	243.75	
Vintage[1]		173.36	(N)
- 5 PVCs	17TE3	252.55	
Vintage[1]		188.05	(N)
- 6 PVCs through 14[2], per PVC	17TG3	3.45	(T)
- 15 PVCs through 24[3], per PVC	17TH3	2.30	(T)
Vintage[1]		1.88	(N)
- Each additional PVC over 24[4], per PVC	17TJ3	0.45	(T)
• 672 or 768 kbps - UNIT, per Port			
- 1 PVC	17TA3	286.75	
Vintage[1]		181.03	(N)
- 2 PVCs	17TB3	299.70	
Vintage[1]		199.72	(N)
- 3 PVCs	17TC3	312.65	
Vintage[1]		218.39	(N)
- 4 PVCs	17TD3	325.60	
Vintage[1]		239.35	(N)
- 5 PVCs	17TE3	338.55	
Vintage[1]		261.35	(N)
- 6 PVCs through 14[2], per PVC	17TG3	3.70	(T)
- 15 PVCs through 24[3], per PVC	17TH3	2.55	(T)
- Each additional PVC over 24[4], per PVC	17TJ3	0.80	(T)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.3. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T93	\$198.88	
- 1 PVC	17TA3	222.00	
Vintage[1]		127.21	(N)
- 2 PVCs	17TB3	256.25	
Vintage[1]		178.72	(N)
- 3 PVCs	17TC3	290.45	
Vintage[1]		230.24	(N)
- 4 PVCs	17TD3	324.70	
Vintage[1]		281.03	(N)
- 5 PVCs	17TE3	358.90	
Vintage[1]		331.83	(N)
- 6 PVCs through 14[2], per PVC	17TG3	17.60	(T)
Vintage[3]		17.08	(N)
- 15 PVCs through 24[4], per PVC	17TH3	4.65	(T)
- Each additional PVC over 24[5],per PVC	17TJ3	0.45	(T)
Vintage[1]		0.23	(N)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] Vintage rate in effect 1/17/94 through 11/13/94. (N)

[4] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[5] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.3. (Cont'd)

	USOC	MONTHLY RATE	(M)
			(M)
• 44.736 Mbps - UNIT, per Port			(T)
- 0 PVCs, used with Fault Tolerant Service	17T93	\$3,237.50	(T)
- 1 PVC	17TU3	3,515.00	(M)
- 2 PVCs through 50[1], per PVC	17TV3	27.75	(T)
- 51 PVCs through 140[2], per PVC	17TW3	7.40	
- 141 PVCs through 240[3], per PVC	17TY3	3.70	
- 241 PVCs through 500[4], per PVC	17TZ3	1.85	(T)
[1] For each PVC over 1, up to and including 50, add this rate to the monthly rate for 1 PVC.			(T) (M)
[2] For each PVC over 50, up to and including 140, add this rate to the total monthly rate for 50 PVCs.			(T) (M)
[3] For each PVC over 140, up to and including 240, add this rate to the total monthly rate for 140 PVCs.			(T) (M)
[4] For each PVC over 240, up to and including 500, add this rate to the total monthly rate for 240 PVCs.			(T) (M)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D. 36 Months (Cont'd)

4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 1.544 Mbps		
- First PVC	NRBF1	50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.4. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - NNIT, per Port			
- 1 PVC	17TA3	\$35.15	
Vintage[1]		35.14	(N)
- 2 PVCs	17TB3	39.15	
Vintage[1]		36.84	(N)
- 3 PVCs	17TC3	43.20	
Vintage[1]		38.55	(N)
- 4 PVCs	17TD3	47.20	
Vintage[1]		40.27	(N)
- 5 PVCs	17TE3	51.25	
Vintage[1]		41.97	(N)
- 6 PVCs through 14[2], per PVC	17TG3	0.45	(T)
- 15 PVCs through 24[3], per PVC	17TH3	0.30	(T)
Vintage[1]		0.15	(N)
- Each additional PVC over 24[4],per PVC	17TJ3	0.25	(T)
Vintage[1]		0.06	(N)
• 112 or 128 kbps - NNIT, per Port			
- 1 PVC	17TA3	78.65	
Vintage[1]		46.01	(N)
- 2 PVCs	17TB3	81.40	
Vintage[1]		49.25	(N)
- 3 PVCs	17TC3	84.20	
Vintage[1]		52.49	(N)
- 4 PVCs	17TD3	86.95	
Vintage[1]		55.73	(N)
- 5 PVCs	17TE3	89.75	
Vintage[1]		58.96	(N)
- 6 PVCs through 14[2], per PVC	17TG3	1.10	(T)
- 15 PVCs through 24[3], per PVC	17TH3	0.80	(T)
Vintage[1]		0.31	(N)
- Each additional PVC over 24[4],per PVC	17TJ3	0.45	(T)
Vintage[1]		0.11	(N)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.4. (Cont'd)

	USOC	MONTHLY RATE	
• 224 or 256 kbps - NNIT, per Port			
- 1 PVC	17TA3	\$115.65	
Vintage[1]		68.97	(N)
- 2 PVCs	17TB3	121.20	
Vintage[1]		75.18	(N)
- 3 PVCs	17TC3	126.75	
Vintage[1]		81.37	(N)
- 4 PVCs	17TD3	132.30	
Vintage[1]		87.57	(N)
- 5 PVCs	17TE3	137.85	
Vintage[1]		93.75	(N)
- 6 PVCs through 14[2], per PVC	17TG3	2.15	(T)
- 15 PVCs through 24[3], per PVC	17TH3	1.55	(T)
Vintage[1]		0.56	(N)
- Each additional PVC over 24[4], per PVC	17TJ3	0.45	(T)
Vintage[1]		0.21	(N)
• 336 or 384 kbps - NNIT, per Port			
- 1 PVC	17TA3	157.25	
Vintage[1]		91.92	(N)
- 2 PVCs	17TB3	165.35	
Vintage[1]		101.07	(N)
- 3 PVCs	17TC3	173.45	
Vintage[1]		110.21	(N)
- 4 PVCs	17TD3	181.55	
Vintage[1]		119.37	(N)
- 5 PVCs	17TE3	189.65	
Vintage[1]		128.51	(N)
- 6 PVCs through 14[2], per PVC	17TG3	3.25	(T)
- 15 PVCs through 24[3], per PVC	17TH3	2.30	(T)
Vintage[1]		0.85	(N)
- Each additional PVC over 24[4], per PVC	17TJ3	0.45	(T)
Vintage[1]		0.31	(N)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.4. (Cont'd)

	USOC	MONTHLY RATE	
• 448 or 512 kbps - NNIT, per Port			
- 1 PVC	17TA3	\$189.65	
Vintage[1]		114.87	(N)
- 2 PVCs	17TB3	198.40	
Vintage[1]		126.98	(N)
- 3 PVCs	17TC3	207.20	
Vintage[1]		139.09	(N)
- 4 PVCs	17TD3	216.00	
Vintage[1]		151.19	(N)
- 5 PVCs	17TE3	224.80	
Vintage[1]		163.30	(N)
- 6 PVCs through 14[2], per PVC	17TG3	3.45	(T)
- 15 PVCs through 24[3], per PVC	17TH3	2.30	(T)
Vintage[1]		1.13	(N)
- Each additional PVC over 24[4], per PVC	17TJ3	0.45	(T)
Vintage[1]		0.43	(N)
• 672 or 768 kbps - NNIT, per Port			
- 1 PVC	17TA3	259.00	
Vintage[1]		161.45	(N)
- 2 PVCs	17TB3	271.05	
Vintage[1]		180.13	(N)
- 3 PVCs	17TC3	283.05	
Vintage[1]		198.82	(N)
- 4 PVCs	17TD3	295.10	
Vintage[1]		217.50	(N)
- 5 PVCs	17TE3	307.10	
Vintage[1]		236.18	(N)
- 6 PVCs through 14[2], per PVC	17TG3	3.45	(T)
- 15 PVCs through 24[3], per PVC	17TH3	2.30	(T)
- Each additional PVC over 24[4], per PVC	17TJ3	0.45	(T)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.4. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - NNIT, per Port			
- 1 PVC	17TA3	\$194.25	
Vintage[1]		107.62	(N)
- 2 PVCs	17TB3	228.50	
Vintage[1]		158.42	(N)
- 3 PVCs	17TC3	262.70	
Vintage[1]		209.23	(N)
- 4 PVCs	17TD3	296.95	
Vintage[1]		260.01	(N)
- 5 PVCs	17TE3	331.15	
Vintage[1]		310.81	(N)
- 6 PVCs through 14[2], per PVC	17TG3	17.60	(T)
- 15 PVCs through 24[3], per PVC	17TH3	4.65	(T)
Vintage[1]		4.17	(N)
- Each additional PVC over 24[4], per PVC	17TJ3	0.45	(T)
Vintage[1]		0.14	(N)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D. 36 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Central Office Connecting Channel				
• Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port				(T) (T)
- For speeds up to 1.544 Mbps	CU5UR	\$25.00	\$ 0.60	(T)
- For speeds up to 44.736 Mbps	CU5UR	50.00	9.25	(N)
6. Transport Channels[1]				
7. Optional Features and Functions				
• Customer Network Management (CNM)				
- Per workstation registered address initial setup	NM6X3	15.00	61.98	
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—	

[1] See Section 7 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Priority UNIT PVC[1], per PVC				
- 56 or 64 kbps	PV7X3	\$50.00	\$4.63	
- 112 or 128 kbps	PV7X3	50.00	5.39	
- 224 or 256 kbps	PV7X3	50.00	6.17	
- 336 or 384 kbps	PV7X3	50.00	6.94	
- 448 or 512 kbps	PV7X3	50.00	7.71	
- 672 or 768 kbps	PV7X3	50.00	8.48	
- 1.544 Mbps	PV7X3	50.00	9.25	
- 44.736 Mbps	PV7X3	50.00	9.25	(N)

[1] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

D.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Per Video PVC				
- 384 kbps CIR	PVUE3	\$700.00	\$18.50	
- 512 kbps CIR	PVUF3	700.00	27.75	(N)

[1] Video PVC rates and charges apply in addition to the 1.544 Mbps UNIT PVC rates and charges set forth preceding.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE (Cont'd)

E. 48 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Access Link, per Access Link				
• 56 or 64 kbps	L7AX4	\$450.00	\$ 42.90	
- Vintage[1]			16.17	(N)
- Vintage[2]			17.82	(N)
- Vintage[3]			37.19	(N)
• 1.544 Mbps	L7AX4	450.00	115.43	
- Vintage[1]			107.09	(N)
- Vintage[2]			108.84	(N)
2. Stand-Alone Access Link, per Access Link				
• 56 or 64 kbps	NNLX4	450.00	42.90	
- Vintage[3]			37.19	(N)
• 1.544 Mbps	NNLX4	450.00	115.43	
3. User-To-Network Information Transfer (UNIT)				
	USOC	NONRECURRING CHARGE		
• 56 or 64 kbps				
- First PVC	NRBF1	\$50.00		
- Each additional PVC	NRBF2	20.00		
- Subsequent PVC(s) order charge, per order[4]	NRBFO	75.00		(T)
[1] Vintage rate in effect 10/12/92 through 1/16/94.				(N)
[2] Vintage rate in effect 1/17/94 through 11/13/94.				(N)
[3] Vintage rate in effect 11/14/94 through 12/13/96.				(N)
[4] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".				(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E.3. (Cont'd)

	USOC	NONRECURRING CHARGE
<ul style="list-style-type: none"> 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps <ul style="list-style-type: none"> - First PVC - Each additional PVC - Subsequent PVC(s) order charge, per order[1] 1.544 Mbps <ul style="list-style-type: none"> - First PVC - Each additional PVC - Subsequent PVC(s) order charge, per order[1] 44.736 Mbps <ul style="list-style-type: none"> - First PVC - Each additional PVC - Subsequent PVC(s) order charge, per order[1] Fault Tolerant Service, per UNIT <ul style="list-style-type: none"> - Initial Service Establishment - Subsequent Service Establishment - Activation and Restoral 	<ul style="list-style-type: none"> NRBF1 NRBF2 NRBFO NRBF1 NRBF2 NRBFO NRBF1 NRBF2 NRBFO NRBF4 NRBF5 NRBF6 	<ul style="list-style-type: none"> \$250.00 20.00 75.00 50.00 20.00 75.00 250.00 50.00 75.00 500.00 50.00 500.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E.3. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T94	\$ 31.94	
- 1 PVC	17TA4	35.84	
- 2 PVCs	17TB4	40.63	
- 3 PVCs	17TC4	43.61	
- 4 PVCs	17TD4	46.59	
- 5 PVCs	17TE4	49.54	
- 6 PVCs through 14[1], per PVC	17TG4	1.13	
Vintage[2]		1.03	(N)
- 15 PVCs through 24[3], per PVC	17TH4	0.25	(T)
Vintage[2]		0.21	(N)
- Each additional PVC over 24[4], per PVC	17TJ4	0.25	(T)
Vintage[2]		0.09	(N)
Vintage[5]		0.10	(N)
• 112 or 128 kbps - UNIT, per Port			
- 1 PVC	17TA4	109.50	
Vintage[5]		64.71	(N)
- 2 PVCs	17TB4	112.25	
Vintage[5]		67.90	(N)
- 3 PVCs	17TC4	115.00	
Vintage[5]		71.09	(N)
- 4 PVCs	17TD4	117.70	
Vintage[5]		74.30	(N)
- 5 PVCs	17TE4	120.45	
Vintage[5]		77.48	(N)
- 6 PVCs through 14[1], per PVC	17TG4	1.10	
- 15 PVCs through 24[3], per PVC	17TH4	0.80	(T)
Vintage[5]		0.42	(N)
- Each additional PVC over 24[4], per PVC	17TJ4	0.45	(T)
Vintage[5]		0.17	(N)
[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			
[2] Vintage rate in effect 1/17/94 through 11/13/94.			(N)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)
[5] Vintage rate in effect 11/14/94 through 12/13/96.			(N)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E.3. (Cont'd)

	USOC	MONTHLY RATE
• 224 or 256 kbps - UNIT, per Port		
- 1 PVC	17TA4	\$146.00 (I)
- 2 PVCs	17TB4	151.50
- 3 PVCs	17TC4	156.95
- 4 PVCs	17TD4	162.45
- 5 PVCs	17TE4	167.90 (I)
- 6 PVCs through 14[1], per PVC	17TG4	2.15 (R)
- 15 PVCs through 24[2], per PVC	17TH4	1.50 (I)
- Each additional PVC over 24[3], per PVC	17TJ4	0.45 (I)
• 336 or 384 kbps - UNIT, per Port		
- 1 PVC	17TA4	182.50 (I)
- 2 PVCs	17TB4	190.50
- 3 PVCs	17TC4	198.45
- 4 PVCs	17TD4	206.45
- 5 PVCs	17TE4	214.45 (I)
- 6 PVCs through 14[1], per PVC	17TG4	3.20 (R)
- 15 PVCs through 24[2], per PVC	17TH4	2.30 (I)
- Each additional PVC over 24[3], per PVC	17TJ4	0.45 (R)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[3] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.

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1801 California Street, Denver, Colorado 80202

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E.3. (Cont'd)

	USOC	MONTHLY RATE	
• 448 or 512 kbps - UNIT, per Port			
- 1 PVC	17TA4	\$214.45	
Vintage[1]		132.63	(N)
- 2 PVCs	17TB4	223.10	
Vintage[1]		144.58	(N)
- 3 PVCs	17TC4	231.80	
Vintage[1]		156.52	(N)
- 4 PVCs	17TD4	240.45	
Vintage[1]		171.02	(N)
- 5 PVCs	17TE4	249.10	
Vintage[1]		185.51	(N)
- 6 PVCs through 14[2], per PVC	17TG4	3.40	(T)
- 15 PVCs through 24[3], per PVC	17TH4	2.30	(T)
Vintage[1]		1.85	(N)
- Each additional PVC over 24[4], per PVC	17TJ4	0.45	(T)
• 672 or 768 kbps - UNIT, per Port			
- 1 PVC	17TA4	282.90	
Vintage[1]		178.59	(N)
- 2 PVCs	17TB4	295.65	
Vintage[1]		197.02	(N)
- 3 PVCs	17TC4	308.45	
Vintage[1]		215.44	(N)
- 4 PVCs	17TD4	321.20	
Vintage[1]		236.62	(N)
- 5 PVCs	17TE4	334.00	
Vintage[1]		257.82	(N)
- 6 PVCs through 14[2], per PVC	17TG4	3.65	(T)
- 15 PVCs through 24[3], per PVC	17TH4	2.50	(T)
- Each additional PVC over 24[4], per PVC	17TJ4	0.80	(T)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E.3. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T94	\$ 196.19	
- 1 PVC	17TA4	219.00	
Vintage[1]		125.49	(N)
- 2 PVCs	17TB4	252.75	
Vintage[1]		176.30	(N)
- 3 PVCs	17TC4	286.55	
Vintage[1]		227.13	(N)
- 4 PVCs	17TD4	320.30	
Vintage[1]		277.24	(N)
- 5 PVCs	17TE4	354.05	
Vintage[1]		327.34	(N)
6 PVCs through 14[2], per PVC	17TG4	17.35	(T)
15 PVCs through 24[3], per PVC	17TH4	4.55	
Each additional PVC over 24[4], per PVC	17TJ4	0.45	(T)
Vintage[1]		0.23	(N)
• 44.736 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T94	3,193.75	
- 1 PVC	17TU4	3,467.50	
- 2 PVCs through 50[5], per PVC	17TV4	27.38	(T)
- 51 PVCs through 140[6], per PVC	17TW4	7.30	
- 141 PVCs through 240[7], per PVC	17TY4	3.65	
- 241 PVCs through 500[8], per PVC	17TZ4	1.83	(T)

- | | | |
|-----|---|-----|
| [1] | Vintage rate in effect 11/14/94 through 12/13/96. | (N) |
| [2] | For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. | (T) |
| [3] | For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. | (T) |
| [4] | For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. | (T) |
| [5] | For each PVC over 1, up to and including 50, add this rate to the monthly rate for 1 PVC. | (T) |
| [6] | For each PVC over 50, up to and including 140, add this rate to the total monthly rate for 50 PVCs. | (T) |
| [7] | For each PVC over 140, up to and including 240, add this rate to the total monthly rate for 140 PVCs. | (T) |
| [8] | For each PVC over 240, up to and including 500, add this rate to the total monthly rate for 240 PVCs. | (T) |

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E. 48 Months (Cont'd)

4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 1.544 Mbps		
- First PVC	NRBF1	50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

(C)
(C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E.4. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - NNIT, per Port			
- 1 PVC	17TA4	\$34.70	
Vintage[1]		34.67	(N)
- 2 PVCs	17TB4	38.65	
Vintage[1]		36.34	(N)
- 3 PVCs	17TC4	42.60	
Vintage[1]		38.03	(N)
- 4 PVCs	17TD4	46.60	
Vintage[1]		39.72	(N)
- 5 PVCs	17TE4	50.55	
Vintage[1]		41.40	(N)
- 6 PVCs through 14[2], per PVC	17TG4	0.45	(T)
- 15 PVCs through 24[3], per PVC	17TH4	0.25	(T)
Vintage[1]		0.15	(N)
- Each additional PVC over 24[4], per PVC	17TJ4	0.25	(T)
Vintage[1]		0.06	(N)
• 112 or 128 kbps - NNIT, per Port			
- 1 PVC	17TA4	77.55	
Vintage[1]		45.39	(N)
- 2 PVCs	17TB4	80.30	
Vintage[1]		48.58	(N)
- 3 PVCs	17TC4	83.05	
Vintage[1]		51.78	(N)
- 4 PVCs	17TD4	85.80	
Vintage[1]		54.98	(N)
- 5 PVCs	17TE4	88.50	
Vintage[1]		58.16	(N)
- 6 PVCs through 14[2], per PVC	17TG4	1.10	(T)
- 15 PVCs through 24[3], per PVC	17TH4	0.80	(T)
Vintage[1]		0.30	(N)
- Each additional PVC over 24[4], per PVC	17TJ4	0.45	(T)
Vintage[1]		0.11	(N)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E.4. (Cont'd)

	USOC	MONTHLY RATE	
• 224 or 256 kbps - NNIT, per Port			
- 1 PVC	17TA4	\$114.05	
Vintage[1]		68.04	(N)
- 2 PVCs	17TB4	119.55	
Vintage[1]		74.17	(N)
- 3 PVCs	17TC4	125.00	
Vintage[1]		80.27	(N)
- 4 PVCs	17TD4	130.50	
Vintage[1]		86.39	(N)
- 5 PVCs	17TE4	135.95	
Vintage[1]		92.48	(N)
- 6 PVCs through 14[2], per PVC	17TG4	2.15	(T)
- 15 PVCs through 24[3], per PVC	17TH4	1.50	(T)
Vintage[1]		0.56	(N)
- Each additional PVC over 24[4], per PVC	17TJ4	0.45	
Vintage[1]		0.21	(N)
• 336 or 384 kbps - NNIT, per Port			
- 1 PVC	17TA4	155.15	
Vintage[1]		90.68	(N)
- 2 PVCs	17TB4	163.10	
Vintage[1]		99.71	(N)
- 3 PVCs	17TC4	171.10	
Vintage[1]		108.72	(N)
- 4 PVCs	17TD4	179.10	
Vintage[1]		117.76	(N)
- 5 PVCs	17TE4	187.05	
Vintage[1]		126.77	(N)
- 6 PVCs through 14[2], per PVC	17TG4	3.20	(T)
- 15 PVCs through 24[3], per PVC	17TH4	2.30	(T)
Vintage[1]		0.84	(N)
- Each additional PVC over 24[4], per PVC	17TJ4	0.45	(T)
Vintage[1]		0.30	(N)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E.4. (Cont'd)

	USOC	MONTHLY RATE	
• 448 or 512 kbps - NNIT, per Port			
- 1 PVC	17TA4	\$187.05	
Vintage[1]		113.31	(N)
- 2 PVCs	17TB4	195.75	
Vintage[1]		125.27	(N)
- 3 PVCs	17TC4	204.40	
Vintage[1]		137.21	(N)
- 4 PVCs	17TD4	213.05	
Vintage[1]		149.15	(N)
- 5 PVCs	17TE4	221.75	
Vintage[1]		161.09	(N)
- 6 PVCs through 14[2], per PVC	17TG4	3.40	(T)
- 15 PVCs through 24[3], per PVC	17TH4	2.30	(T)
Vintage[1]		1.11	(N)
- Each additional PVC over 24[4], per PVC	17TJ4	0.45	(T)
Vintage[1]		0.42	(N)
• 672 or 768 kbps - NNIT, per Port			
- 1 PVC	17TA4	255.50	
Vintage[1]		159.27	(N)
- 2 PVCs	17TB4	267.35	
Vintage[1]		177.70	(N)
- 3 PVCs	17TC4	279.25	
Vintage[1]		196.13	(N)
- 4 PVCs	17TD4	291.10	
Vintage[1]		214.56	(N)
- 5 PVCs	17TE4	302.95	
Vintage[1]		232.99	(N)
- 6 PVCs through 14[2], per PVC	17TG4	3.40	(T)
- 15 PVCs through 24[3], per PVC	17TH4	2.30	(T)
- Each additional PVC over 24[4], per PVC	17TJ4	0.45	(T)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E.4. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - NNIT, per Port			
- 1 PVC	17TA4	\$191.65	
Vintage[1]		106.17	(N)
- 2 PVCs	17TB4	225.40	
Vintage[1]		156.28	(N)
- 3 PVCs	17TC4	259.15	
Vintage[1]		206.40	(N)
- 4 PVCs	17TD4	292.90	
Vintage[1]		256.49	(N)
- 5 PVCs	17TE4	326.70	
Vintage[1]		306.61	(N)
- 6 PVCs through 14[2], per PVC	17TG4	17.35	(T)
- 15 PVCs through 24[3], per PVC	17TH4	4.55	(T)
Vintage[1]		4.12	(N)
- Each additional PVC over 24[4], per PVC	17TJ4	0.45	(T)
Vintage[1]		0.14	(N)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E. 48 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Central Office Connecting Channel				
• Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port				(T) (T)
- For speeds up to 1.544 Mbps	CU5VR	\$25.00	\$ 0.60	(T)
- For speeds up to 44.736 Mbps	CU5VR	50.00	9.13	(N)
6. Transport Channels[1]				
7. Optional Features and Functions				
• Customer Network Management (CNM)				
- Per workstation registered address initial setup	NM6X4	15.00	61.14	
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—	

[1] See Section 7 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Priority UNIT PVC[1], per PVC				
- 56 or 64 kbps	PV7X4	\$50.00	\$4.56	
- 112 or 128 kbps	PV7X4	50.00	5.32	
- 224 or 256 kbps	PV7X4	50.00	6.09	
- 336 or 384 kbps	PV7X4	50.00	6.84	
- 448 or 512 kbps	PV7X4	50.00	7.60	
- 672 or 768 kbps	PV7X4	50.00	8.37	
- 1.544 Mbps	PV7X4	50.00	9.13	
- 44.736 Mbps	PV7X4	50.00	9.13	(N)

[1] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

E.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Per Video PVC[1]				
- 384 kbps CIR	PVUE4	\$700.00	\$18.25	
- 512 kbps CIR	PVUF4	700.00	27.38	(N)

[1] Video PVC rates and charges apply in addition to the 1.544 Mbps UNIT PVC rates and charges set forth preceding.

(N)
(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE (Cont'd)

F. 60 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Access Link, per Access Link				
• 56 or 64 kbps	L7AX5	\$450.00	\$ 42.30	
- Vintage[1]			15.73	(N)
- Vintage[2]			17.34	
- Vintage[3]			36.68	(N)
• 2-Wire 128 kbps	L7TA5	450.00	36.00	
• 1.544 Mbps	L7AX5	450.00	113.85	
- Vintage[1]			104.19	(N)
- Vintage[2]			105.90	(N)
2. Stand-Alone Access Link, per Access Link				
• 56 or 64 kbps	NNLX5	450.00	42.30	
- Vintage[3]			36.68	(N)
• 1.544 Mbps	NNLX5	450.00	113.85	
3. User-To-Network Information Transfer (UNIT)				
	USOC	NONRECURRING CHARGE		
• 56 or 64 kbps				
- First PVC	NRBF1	\$50.00		
- Each additional PVC	NRBF2	20.00		
- Subsequent PVC(s) order charge, per order[4]	NRBFO	75.00		(T)

- [1] Vintage rate in effect 10/12/92 through 1/16/94. (N)
- [2] Vintage rate in effect 1/17/94 through 11/13/94. |
- [3] Vintage rate in effect 11/14/94 through 12/13/96. (N)
- [4] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge". (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.3. (Cont'd)

	USOC	NONRECURRING CHARGE	
• 2-Wire 128 kbps			
- First PVC	NRBF7	\$300.00	(T)
- Each additional PVC	NRBF8	20.00	(T)
- Subsequent PVC(s) order charge, per order[1]	NRBF9	75.00	(T)
• 112 or 128 kbps (4-Wire), 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps			
- First PVC	NRBF1	250.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	
• 1.544 Mbps			
- First PVC	NRBF1	50.00	
- Each additional PVC	NRBF2	20.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	
• 44.736 Mbps			
- First PVC	NRBF1	250.00	
- Each additional PVC	NRBF2	50.00	
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00	
• Fault Tolerant Service, per UNIT			
- Initial Service Establishment	NRBF4	500.00	
- Subsequent Service Establishment	NRBF5	50.00	
- Activation and Restoral	NRBF6	500.00	

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge". (C)
(C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.3. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T95	\$ 31.50	
- 1 PVC	17TA5	35.35	
- 2 PVCs	17TB5	40.08	
- 3 PVCs	17TC5	43.01	
- 4 PVCs	17TD5	45.95	
- 5 PVCs	17TE5	48.86	
- 6 PVCs through 14[1], per PVC	17TG5	1.12	
Vintage[2]		1.00	(N)
- 15 PVCs through 24[3], per PVC	17TH5	0.24	(T)
Vintage[2]		0.21	(N)
- Each additional PVC over 24[4], per PVC	17TJ5	0.25	(T)
Vintage[2]		0.09	(N)
Vintage[5]		0.10	(N)
• 2-Wire 128 kbps - UNIT, per Port			
- 1 PVC	18TB5	76.00	
- 2 through 8 PVCs[6]	18TC5	6.64	(T)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] Vintage rate in effect 1/17/94 through 11/13/94. (N)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

[5] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[6] For each PVC over 1, up to and including 8, add this rate to the monthly rate for 1 PVC. (T)

Certain material previously found on this page can now be found on Page 105.1.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.3. (Cont'd)

	USOC	MONTHLY RATE	(M) (M)
• 112 or 128 kbps (4-Wire) - UNIT, per Port			
- 1 PVC	17TA5	\$108.00	(T)
Vintage[1]		63.82	(N)
- 2 PVCs	17TB5	110.70	(M)
Vintage[1]		66.97	(N)
- 3 PVCs	17TC5	113.40	(M)
Vintage[1]		70.12	(N)
- 4 PVCs	17TD5	116.10	(M)
Vintage[1]		73.28	(N)
- 5 PVCs	17TE5	118.80	(M)
Vintage[1]		76.42	(N)
- 6 PVCs through 14[2], per PVC	17TG5	1.10	(T)
- 15 PVCs through 24[3], per PVC	17TH5	0.75	(T)
Vintage[1]		0.41	(N)
- Each additional PVC over 24[4], per PVC	17TJ5	0.45	(T)
Vintage[1]		0.17	(N)

[1] Vintage rate in effect 1/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

Certain material on this page formerly appeared on Page 8-105.

Certain material previously found on this page can now be found on Page 8-105.1.1.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.3. (Cont'd)

	USOC	MONTHLY RATE	(M)
• 224 or 256 kbps - UNIT, per Port			
- 1 PVC	17TA5	\$144.00	(M)
Vintage[1]		86.15	(N)
- 2 PVCs	17TB5	149.40	(M)
Vintage[1]		92.19	(N)
- 3 PVCs	17TC5	154.80	(M)
Vintage[1]		98.22	(N)
- 4 PVCs	17TD5	160.20	(M)
Vintage[1]		104.25	(N)
- 5 PVCs	17TE5	165.60	(M)
Vintage[1]		110.27	(N)
- 6 PVCs through 14[2], per PVC	17TG5	2.10	(T)
- 15 PVCs through 24[3], per PVC	17TH5	1.50	(T)
Vintage[1]		0.92	(N)
- Each additional PVC over 24[4], per PVC	17TJ5	0.45	(T)
Vintage[1]		0.34	(N)
• 336 or 384 kbps - UNIT, per Port			
- 1 PVC	17TA5	180.00	(M)
Vintage[1]		108.48	(N)
- 2 PVCs	17TB5	187.90	(M)
Vintage[1]		117.39	(N)
- 3 PVCs	17TC5	195.75	(M)
Vintage[1]		126.30	(N)
- 4 PVCs	17TD5	203.65	(M)
Vintage[1]		135.99	(N)
- 5 PVCs	17TE5	211.50	(M)
Vintage[1]		145.68	(N)
- 6 PVCs through 14[2], per PVC	17TG5	3.15	(T)
- 15 PVCs through 24[3], per PVC	17TH5	2.25	(T)
Vintage[1]		1.37	(N)
- Each additional PVC over 24[4], per PVC	17TJ5	0.45	(T)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(M)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

Certain material on this page previously appeared on Page 105.1.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.3. (Cont'd)

	USOC	MONTHLY RATE	
• 448 or 512 kbps - UNIT, per Port			
- 1 PVC	17TA5	\$211.50	
Vintage[1]		130.82	(N)
- 2 PVCs	17TB5	220.05	
Vintage[1]		142.60	(N)
- 3 PVCs	17TC5	228.60	
Vintage[1]		154.38	(N)
- 4 PVCs	17TD5	237.15	
Vintage[1]		168.68	(N)
- 5 PVCs	17TE5	245.70	
Vintage[1]		182.97	(N)
- 6 PVCs through 14[2], per PVC	17TG5	3.40	(T)
- 15 PVCs through 24[3], per PVC	17TH5	2.25	(T)
Vintage[1]		1.83	(N)
- Each additional PVC over 24[4], per PVC	17TJ5	0.45	(T)
• 672 or 768 kbps - UNIT, per Port			
- 1 PVC	17TA5	279.00	
Vintage[1]		176.14	(N)
- 2 PVCs	17TB5	291.60	
Vintage[1]		194.32	(N)
- 3 PVCs	17TC5	304.20	
Vintage[1]		212.49	(N)
- 4 PVCs	17TD5	316.80	
Vintage[1]		233.38	(N)
- 5 PVCs	17TE5	329.40	
Vintage[1]		254.29	(N)
- 6 PVCs through 14[2], per PVC	17TG5	3.60	(T)
- 15 PVCs through 24[3], per PVC	17TH5	2.50	(T)
- Each additional PVC over 24[4], per PVC	17TJ5	0.75	(T)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.3. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T95	\$193.50	
- 1 PVC	17TA5	216.00	
Vintage[1]		213.77	(N)
- 2 PVCs	17TB5	249.30	
Vintage[1]		173.89	(N)
- 3 PVCs	17TC5	282.60	
Vintage[1]		224.02	(N)
- 4 PVCs	17TD5	315.90	
Vintage[1]		273.44	(N)
- 5 PVCs	17TE5	349.20	
Vintage[1]		322.86	(N)
- 6 PVCs through 14[2], per PVC	17TG5	17.10	(T)
Vintage[3]		16.62	(N)
- 15 PVCs through 24[4], per PVC	17TH5	4.50	(T)
- Each additional PVC over 24[5], per PVC	17TJ5	0.45	(T)
Vintage[1]		0.23	(N)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] Vintage rate in effect 1/17/94 through 11/13/94. (N)

[4] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[5] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.3. (Cont'd)

	USOC	MONTHLY RATE	(M)
• 44.736 Mbps - UNIT, per Port			(M)
- 0 PVCs, used with Fault Tolerant Service	17T95	\$3,150.00	(T)
- 1 PVC	17TU5	3,420.00	(M)
- 2 PVCs through 50[1], per PVC	17TV5	27.00	(T)
- 51 PVCs through 140[2], per PVC	17TW5	7.20	 (T)
- 141 PVCs through 240[3], per PVC	17TY5	3.60	
- 241 PVCs through 500[4], per PVC	17TZ5	1.80	

- | | | |
|-----|---|------------|
| [1] | For each PVC over 1, up to and including 50, add this rate to the monthly rate for 1 PVC. | (T)
(M) |
| [2] | For each PVC over 50, up to and including 140, add this rate to the total monthly rate for 50 PVCs. | (T)
(M) |
| [3] | For each PVC over 140, up to and including 240, add this rate to the total monthly rate for 140 PVCs. | (T)
(M) |
| [4] | For each PVC over 240, up to and including 500, add this rate to the total monthly rate for 240 PVCs. | (T)
(M) |

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F. 60 Months (Cont'd)

4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 1.544 Mbps		
- First PVC	NRBF1	50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.4. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - NNIT, per Port			
- 1 PVC	17TA5	\$34.20	
Vintage[1]		34.19	(N)
- 2 PVCs	17TB5	38.10	
Vintage[1]		35.85	(N)
- 3 PVCs	17TC5	42.05	
Vintage[1]		37.51	(N)
- 4 PVCs	17TD5	45.95	
Vintage[1]		39.18	(N)
- 5 PVCs	17TE5	49.85	
Vintage[1]		40.83	(N)
- 6 PVCs through 14[2], per PVC	17TG5	0.45	(T)
- 15 PVCs through 24[3], per PVC	17TH5	0.25	(T)
Vintage[1]		0.14	(N)
- Each additional PVC over 24[4], per PVC	17TJ5	0.25	(T)
Vintage[1]		0.06	(N)
• 112 or 128 kbps - NNIT, per Port			
- 1 PVC	17TA5	76.50	
Vintage[1]		44.77	(N)
- 2 PVCs	17TB5	79.20	
Vintage[1]		47.92	(N)
- 3 PVCs	17TC5	81.90	
Vintage[1]		51.08	(N)
- 4 PVCs	17TD5	84.60	
Vintage[1]		54.23	(N)
- 5 PVCs	17TE5	87.30	
Vintage[1]		57.37	(N)
- 6 PVCs through 14[2], per PVC	17TG5	1.10	(T)
- 15 PVCs through 24[3], per PVC	17TH5	0.75	(T)
Vintage[1]		0.30	(N)
- Each additional PVC over 24[4], per PVC	17TJ5	0.45	(T)
Vintage[1]		0.11	(N)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.4. (Cont'd)

	USOC	MONTHLY RATE	
• 224 or 256 kbps - NNIT, per Port			
- 1 PVC	17TA5	\$112.50	
Vintage[1]		67.10	(N)
- 2 PVCs	17TB5	117.90	
Vintage[1]		73.15	(N)
- 3 PVCs	17TC5	123.30	
Vintage[1]		79.17	(N)
- 4 PVCs	17TD5	128.70	
Vintage[1]		85.20	(N)
- 5 PVCs	17TE5	134.10	
Vintage[1]		91.22	(N)
- 6 PVCs through 14[2], per PVC	17TG5	2.10	(T)
- 15 PVCs through 24[3], per PVC	17TH5	1.50	(T)
Vintage[1]		0.55	(N)
- Each additional PVC over 24[4], per PVC	17TJ5	0.45	(T)
Vintage[1]		0.21	(N)
• 336 or 384 kbps - NNIT, per Port			
- 1 PVC	17TA5	153.00	
Vintage[1]		89.43	(N)
- 2 PVCs	17TB5	160.90	
Vintage[1]		98.34	(N)
- 3 PVCs	17TC5	168.75	
Vintage[1]		107.24	(N)
- 4 PVCs	17TD5	176.65	
Vintage[1]		116.15	(N)
- 5 PVCs	17TE5	184.50	
Vintage[1]		125.04	(N)
- 6 PVCs through 14[2], per PVC	17TG5	3.15	(T)
- 15 PVCs through 24[3], per PVC	17TH5	2.25	(T)
Vintage[1]		0.83	(N)
- Each additional PVC over 24[4], per PVC	17TJ5	0.45	(T)
Vintage[1]		0.30	(N)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.4. (Cont'd)

	USOC	MONTHLY RATE	
• 448 or 512 kbps - NNIT, per Port			
- 1 PVC	17TA5	\$184.50	
Vintage[1]		117.76	(N)
- 2 PVCs	17TB5	193.05	
Vintage[1]		123.55	(N)
- 3 PVCs	17TC5	201.60	
Vintage[1]		135.33	(N)
- 4 PVCs	17TD5	210.15	
Vintage[1]		147.11	(N)
- 5 PVCs	17TE5	218.70	
Vintage[1]		158.89	(N)
- 6 PVCs through 14[2], per PVC	17TG5	3.40	(T)
- 15 PVCs through 24[3], per PVC	17TH5	2.25	(T)
Vintage[1]		1.10	(N)
- Each additional PVC over 24[4], per PVC	17TJ5	0.45	(T)
Vintage[1]		0.41	(N)
• 672 or 768 kbps - NNIT, per Port			
- 1 PVC	17TA5	252.00	
Vintage[1]		157.09	(N)
- 2 PVCs	17TB5	263.70	
Vintage[1]		175.27	(N)
- 3 PVCs	17TC5	275.40	
Vintage[1]		193.45	(N)
- 4 PVCs	17TD5	287.10	
Vintage[1]		211.62	(N)
- 5 PVCs	17TE5	298.80	
Vintage[1]		229.80	(N)
- 6 PVCs through 14[2], per PVC	17TG5	3.40	(T)
- 15 PVCs through 24[3], per PVC	17TH5	2.25	(T)
- Each additional PVC over 24[4], per PVC	17TJ5	0.45	(T)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.4. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - NNIT, per Port			
- 1 PVC	17TA5	\$189.00	
Vintage[1]		104.72	(N)
- 2 PVCs	17TB5	222.30	
Vintage[1]		154.14	(N)
- 3 PVCs	17TC5	255.60	
Vintage[1]		203.57	(N)
- 4 PVCs	17TD5	288.90	
Vintage[1]		252.98	(N)
- 5 PVCs	17TE5	322.20	
Vintage[1]		302.41	(N)
- 6 PVCs through 14[2], per PVC	17TG5	17.10	(T)
- 15 PVCs through 24[3], per PVC	17TH5	4.50	(T)
Vintage[1]		4.06	(N)
- Each additional PVC over 24[4], per PVC	17TJ5	0.45	(T)
Vintage[1]		0.14	(N)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F. 60 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Central Office Connecting Channel				
• Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port				(T) (T)
- For speeds up to 1.544 Mbps	CU5WR	\$25.00	\$ 0.59	(T)
- For speeds up to 44.736 Mbps	CU5WR	50.00	9.00	(N)
6. Transport Channels[1]				
7. Optional Features and Functions				
• Customer Network Management (CNM)				
- Per workstation registered address initial setup	NM6X5	15.00	60.30	
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—	

[1] See Section 7 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Priority UNIT PVC[1], per PVC				
- 56 or 64 kbps	PV7X5	\$50.00	\$4.50	
- 112 or 128 kbps	PV7X5	50.00	5.25	
- 224 or 256 kbps	PV7X5	50.00	6.00	
- 336 or 384 kbps	PV7X5	50.00	6.75	
- 448 or 512 kbps	PV7X5	50.00	7.50	
- 672 or 768 kbps	PV7X5	50.00	8.25	
- 1.544 Mbps	PV7X5	50.00	9.00	
- 44.736 Mbps	PV7X5	50.00	9.00	(N)

[1] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

F.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Per Video PVC[1]				
- 384 kbps CIR	PVUE5	\$700.00	\$18.00	
- 512 kbps CIR	PVUF5	700.00	27.00	(N)

[1] Video PVC rates and charges apply in addition to the 1.544 Mbps UNIT PVC rates and charges set forth preceding.

(N)
(N)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE (Cont'd)

G. 72 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Access Link, per Access Link				
• 56 or 64 kbps	L7AX6	\$450.00	\$ 42.30	
- Vintage[1]			17.34	(N)
- Vintage[2]			36.68	(N)
• 1.544 Mbps	L7AX6	450.00	113.85	
- Vintage[1]			105.90	(N)
2. Stand-Alone Access Link, per Access Link				
• 56 or 64 kbps	NNLX6	450.00	42.30	
- Vintage[2]			36.68	(N)
• 1.544 Mbps	NNLX6	450.00	113.85	
3. User-To-Network Information Transfer (UNIT)				
	USOC	NONRECURRING CHARGE		
• 56 or 64 kbps				
- First PVC	NRBF1	\$50.00		
- Each additional PVC	NRBF2	20.00		
- Subsequent PVC(s) order charge, per order[3]	NRBFO	75.00		(T)

[1] Vintage rate in effect 1/17/94 through 11/13/94. (N)

[2] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[3] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge". (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G.3. (Cont'd)

	USOC	NONRECURRING CHARGE
<ul style="list-style-type: none"> 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps <ul style="list-style-type: none"> - First PVC - Each additional PVC - Subsequent PVC(s) order charge, per order[1] 1.544 Mbps <ul style="list-style-type: none"> - First PVC - Each additional PVC - Subsequent PVC(s) order charge, per order[1] 44.736 Mbps <ul style="list-style-type: none"> - First PVC - Each additional PVC - Subsequent PVC(s) order charge, per order[1] Fault Tolerant Service, per UNIT <ul style="list-style-type: none"> - Initial Service Establishment - Subsequent Service Establishment - Activation and Restoral 	<ul style="list-style-type: none"> NRBF1 NRBF2 NRBFO NRBF1 NRBF2 NRBFO NRBF1 NRBF2 NRBFO NRBF4 NRBF5 NRBF6 	<ul style="list-style-type: none"> \$250.00 20.00 75.00 50.00 20.00 75.00 250.00 50.00 75.00 500.00 50.00 500.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

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(Filed under Transmittal No. 912.)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G.3. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T96	\$ 31.50	
- 1 PVC	17TA6	35.35	
- 2 PVCs	17TB6	40.08	
- 3 PVCs	17TC6	43.01	
- 4 PVCs	17TD6	45.95	
- 5 PVCs	17TE6	48.86	
- 6 PVCs through 14[1], per PVC	17TG6	1.12	
Vintage[2]		1.00	(N)
- 15 PVCs through 24[3], per PVC	17TH6	0.24	(T)
Vintage[2]		0.21	(N)
- Each additional PVC over 24[4], per PVC	17TJ6	0.25	(T)
Vintage[2]		0.09	(N)
Vintage[5]		0.10	(N)
• 112 or 128 kbps - UNIT, per Port			
- 1 PVC	17TA6	108.00	
Vintage[5]		63.82	(N)
- 2 PVCs	17TB6	110.70	
Vintage[5]		66.97	(N)
- 3 PVCs	17TC6	113.40	
Vintage[5]		70.12	(N)
- 4 PVCs	17TD6	116.10	
Vintage[5]		73.28	(N)
- 5 PVCs	17TE6	118.80	
Vintage[5]		76.42	(N)
- 6 PVCs through 14[1], per PVC	17TG6	1.10	(T)
- 15 PVCs through 24[3], per PVC	17TH6	0.75	(T)
Vintage[5]		0.41	(N)
- Each additional PVC over 24[4], per PVC	17TJ6	0.45	(T)
Vintage[5]		0.17	(N)
[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[2] Vintage rate in effect 1/17/94 through 11/13/94.			(N)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)
[5] Vintage rate in effect 11/14/94 through 12/13/96.			(N)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G.3. (Cont'd)

	USOC	MONTHLY RATE	
• 224 or 256 kbps - UNIT, per Port			
- 1 PVC	17TA6	\$144.00	
Vintage[1]		86.15	(N)
- 2 PVCs	17TB6	149.40	
Vintage[1]		92.19	(N)
- 3 PVCs	17TC6	154.80	
Vintage[1]		98.22	(N)
- 4 PVCs	17TD6	160.20	
Vintage[1]		104.25	(N)
- 5 PVCs	17TE6	165.60	
Vintage[1]		110.27	(N)
- 6 PVCs through 14[2], per PVC	17TG6	2.10	(T)
- 15 PVCs through 24[3], per PVC	17TH6	1.50	(T)
Vintage[1]		0.92	(N)
- Each additional PVC over 24[4], per PVC	17TJ6	0.45	(T)
Vintage[1]		0.34	(N)
• 336 or 384 kbps - UNIT, per Port			
- 1 PVC	17TA6	180.00	
Vintage[1]		108.48	(N)
- 2 PVCs	17TB6	187.90	
Vintage[1]		117.39	(N)
- 3 PVCs	17TC6	195.75	
Vintage[1]		126.30	(N)
- 4 PVCs	17TD6	203.65	
Vintage[1]		135.99	(N)
- 5 PVCs	17TE6	211.50	
Vintage[1]		145.68	(N)
- 6 PVCs through 14[2], per PVC	17TG6	3.15	(T)
- 15 PVCs through 24[3], per PVC	17TH6	2.25	(T)
Vintage[1]		1.37	(N)
- Each additional PVC over 24[4], per PVC	17TJ6	0.45	(T)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G.3. (Cont'd)

	USOC	MONTHLY RATE	
• 448 or 512 kbps - UNIT, per Port			
- 1 PVC	17TA6	\$211.50	
Vintage[1]		130.82	(N)
- 2 PVCs	17TB6	220.05	
Vintage[1]		142.60	(N)
- 3 PVCs	17TC6	228.60	
Vintage[1]		154.38	(N)
- 4 PVCs	17TD6	237.15	
Vintage[1]		168.68	(N)
- 5 PVCs	17TE6	245.70	
Vintage[1]		182.97	(N)
- 6 PVCs through 14[2], per PVC	17TG6	3.40	(T)
- 15 PVCs through 24[3], per PVC	17TH6	2.25	(T)
Vintage[1]		1.83	(N)
- Each additional PVC over 24[4], per PVC	17TJ6	0.45	(T)
• 672 or 768 kbps - UNIT, per Port			
- 1 PVC	17TA6	279.00	
Vintage[1]		176.14	(N)
- 2 PVCs	17TB6	291.60	
Vintage[1]		194.32	(N)
- 3 PVCs	17TC6	304.20	
Vintage[1]		212.49	(N)
- 4 PVCs	17TD6	316.80	
Vintage[1]		233.38	(N)
- 5 PVCs	17TE6	329.40	
Vintage[1]		254.29	(N)
- 6 PVCs through 14[2], per PVC	17TG6	3.60	(T)
- 15 PVCs through 24[3], per PVC	17TH6	2.50	(T)
- Each additional PVC over 24[4], per PVC	17TJ6	0.75	(T)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G.3. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T96	\$193.50	
- 1 PVC	17TA6	216.00	
Vintage[1]		123.77	(N)
- 2 PVCs	17TB6	249.30	
Vintage[1]		173.89	(N)
- 3 PVCs	17TC6	282.60	
Vintage[1]		224.02	(N)
- 4 PVCs	17TD6	315.90	
Vintage[1]		273.44	(N)
- 5 PVCs	17TE6	349.20	
Vintage[1]		322.86	(N)
- 6 PVCs through 14[2], per PVC	17TG6	17.10	(T)
Vintage[3]		16.62	(N)
- 15 PVCs through 24[4], per PVC	17TH6	4.50	(T)
- Each additional PVC over 24[5], per PVC	17TJ6	0.45	(T)
Vintage[1]		0.23	(N)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] Vintage rate in effect 1/17/94 through 11/13/94. (N)

[4] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.

[5] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

Certain material previously found on this page can now be found on Page 8-108.3.1.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G.3. (Cont'd)

	USOC	MONTHLY RATE	(M) (M)
• 44.736 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T96	\$3,150.00	(T)
- 1 PVC	17TU6	3,420.00	(M)
- 2 PVCs through 50[1], per PVC	17TV6	27.00	(T)
- 51 PVCs through 140[2], per PVC	17TW6	7.20	
- 141 PVCs through 240[3], per PVC	17TY6	3.60	
- 241 PVCs through 500[4], per PVC	17TZ6	1.80	(T)

- [1] For each PVC over 1, up to and including 50, add this rate to the monthly rate for 1 PVC. (T)
(M)
- [2] For each PVC over 50, up to and including 140, add this rate to the total monthly rate for 50 PVCs. (T)
(M)
- [3] For each PVC over 140, up to and including 240, add this rate to the total monthly rate for 140 PVCs. (T)
(M)
- [4] For each PVC over 240, up to and including 500, add this rate to the total monthly rate for 240 PVCs. (T)
(M)

Certain material on this page formerly appeared on Page 8-108.3.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G. 72 Months (Cont'd)

4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$ 50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 1.544 Mbps		
- First PVC	NRBF1	50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

(C)
(C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G.4. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - NNIT, per Port			
- 1 PVC	17TA6	\$34.20	
Vintage[1]		34.19	(N)
- 2 PVCs	17TB6	38.10	
Vintage[1]		35.85	(N)
- 3 PVCs	17TC6	42.05	
Vintage[1]		37.51	(N)
- 4 PVCs	17TD6	45.95	
Vintage[1]		39.18	(N)
- 5 PVCs	17TE6	49.85	
Vintage[1]		40.83	(N)
- 6 PVCs through 14[2], per PVC	17TG6	0.45	(T)
- 15 PVCs through 24[3], per PVC	17TH6	0.25	(T)
Vintage[1]		0.14	(N)
- Each additional PVC over 24[4], per PVC	17TJ6	0.25	(T)
Vintage[1]		0.06	(N)
• 112 or 128 kbps - NNIT, per Port			
- 1 PVC	17TA6	76.50	
Vintage[1]		44.77	(N)
- 2 PVCs	17TB6	79.20	
Vintage[1]		47.92	(N)
- 3 PVCs	17TC6	81.90	
Vintage[1]		51.08	(N)
- 4 PVCs	17TD6	84.60	
Vintage[1]		54.23	(N)
- 5 PVCs	17TE6	87.30	
Vintage[1]		57.37	(N)
- 6 PVCs through 14[2], per PVC	17TG6	1.10	(T)
- 15 PVCs through 24[3], per PVC	17TH6	0.75	(T)
Vintage[1]		0.30	(N)
- Each additional PVC over 24[4], per PVC	17TJ6	0.45	(T)
Vintage[1]		0.11	(N)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G.4. (Cont'd)

	USOC	MONTHLY RATE	
• 224 or 256 kbps - NNIT, per Port			
- 1 PVC	17TA6	\$112.50	
Vintage[1]		67.10	(N)
- 2 PVCs	17TB6	117.90	
Vintage[1]		73.15	(N)
- 3 PVCs	17TC6	123.30	
Vintage[1]		79.17	(N)
- 4 PVCs	17TD6	128.70	
Vintage[1]		85.20	(N)
- 5 PVCs	17TE6	134.10	
Vintage[1]		91.22	(N)
- 6 PVCs through 14[2], per PVC	17TG6	2.10	(T)
- 15 PVCs through 24[3], per PVC	17TH6	1.50	(T)
Vintage[1]		0.55	(N)
- Each additional PVC over 24[4], per PVC	17TJ6	0.45	(T)
Vintage[1]		0.21	(N)
• 336 or 384 kbps - NNIT, per Port			
- 1 PVC	17TA6	153.00	
Vintage[1]		89.43	(N)
- 2 PVCs	17TB6	160.90	
Vintage[1]		98.34	(N)
- 3 PVCs	17TC6	168.75	
Vintage[1]		107.24	(N)
- 4 PVCs	17TD6	176.65	
Vintage[1]		116.15	(N)
- 5 PVCs	17TE6	184.50	
Vintage[1]		125.04	(N)
- 6 PVCs through 14[2], per PVC	17TG6	3.15	(T)
- 15 PVCs through 24[3], per PVC	17TH6	2.25	(T)
Vintage[1]		0.83	(N)
- Each additional PVC over 24[4], per PVC	17TJ6	0.45	(T)
Vintage[1]		0.30	(N)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G.4. (Cont'd)

	USOC	MONTHLY RATE	
• 448 or 512 kbps - NNIT, per Port			
- 1 PVC	17TA6	\$184.50	
Vintage[1]		111.76	(N)
- 2 PVCs	17TB6	193.05	
Vintage[1]		123.55	(N)
- 3 PVCs	17TC6	201.60	
Vintage[1]		135.33	(N)
- 4 PVCs	17TD6	210.15	
Vintage[1]		147.11	(N)
- 5 PVCs	17TE6	218.70	
Vintage[1]		158.89	(N)
- 6 PVCs through 14[2], per PVC	17TG6	3.40	(T)
- 15 PVCs through 24[3], per PVC	17TH6	2.25	(T)
Vintage[1]		1.10	(N)
- Each additional PVC over 24[4], per PVC	17TJ6	0.45	(T)
Vintage[1]		0.41	(N)
• 672 or 768 kbps - NNIT, per Port			
- 1 PVC	17TA6	252.00	
Vintage[1]		157.09	(N)
- 2 PVCs	17TB6	263.70	
Vintage[1]		175.27	(N)
- 3 PVCs	17TC6	275.40	
Vintage[1]		193.45	(N)
- 4 PVCs	17TD6	287.10	
Vintage[1]		211.62	(N)
- 5 PVCs	17TE6	298.80	
Vintage[1]		229.80	(N)
- 6 PVCs through 14[2], per PVC	17TG6	3.40	(T)
- 15 PVCs through 24[3], per PVC	17TH6	2.25	
- Each additional PVC over 24[4], per PVC	17TJ6	0.45	(T)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G.4. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - NNIT, per Port			
- 1 PVC	17TA6	\$189.00	
Vintage[1]		104.72	(N)
- 2 PVCs	17TB6	222.30	
Vintage[1]		154.14	(N)
- 3 PVCs	17TC6	255.60	
Vintage[1]		203.57	(N)
- 4 PVCs	17TD6	288.90	
Vintage[1]		252.98	(N)
- 5 PVCs	17TE6	322.20	
Vintage[1]		302.41	(N)
- 6 PVCs through 14[2], per PVC	17TG6	17.10	(T)
- 15 PVCs through 24[3], per PVC	17TH6	4.50	(T)
Vintage[1]		4.06	(N)
- Each additional PVC over 24[4], per PVC	17TJ6	0.45	(T)
Vintage[1]		0.14	(N)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G. 72 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Central Office Connecting Channel				
• Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port				(T) (T)
- For speeds up to 1.544 Mbps	CU8AR	\$25.00	\$ 0.59	(T)
- For speeds up to 44.736 Mbps	CU8AR	50.00	9.00	(N)
6. Transport Channels[1]				
7. Optional Features and Functions				
• Customer Network Management (CNM)				
- Per workstation registered address initial setup	NM6X6	15.00	60.30	
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—	

[1] See Section 7 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Priority UNIT PVC[1], per PVC				
- 56 or 64 kbps	PV7X6	\$50.00	\$4.50	
- 112 or 128 kbps	PV7X6	50.00	5.25	
- 224 or 256 kbps	PV7X6	50.00	6.00	
- 336 or 384 kbps	PV7X6	50.00	6.75	
- 448 or 512 kbps	PV7X6	50.00	7.50	
- 672 or 768 kbps	PV7X6	50.00	8.25	
- 1.544 Mbps	PV7X6	50.00	9.00	
- 44.736 Mbps	PV7X6	50.00	9.00	(N)

[1] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

(N)
(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

G.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Per Video PVC[1]				
- 384 kbps CIR	PVUE6	\$700.00	\$18.00	
- 512 kbps CIR	PVUF6	700.00	27.00	(N)

[1] Video PVC rates and charges apply in addition to the 1.544 Mbps UNIT PVC rates and charges set forth preceding.

(N)
(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE (Cont'd)

H. 84 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Access Link, per Access Link				
• 56 or 64 kbps	L7AX7	\$450.00	\$ 42.30	
- Vintage[1]			36.68	(N)
- Vintage[2]			17.34	(N)
• 1.544 Mbps	L7AX7	450.00	113.85	
- Vintage[2]			105.90	(N)
2. Stand-Alone Access Link per Access Link				
• 56 or 64 kbps	NNLX7	450.00	42.30	
Vintage[1]			36.68	(N)
• 1.544 Mbps	NNLX7	450.00	113.85	
3. User-To-Network Information Transfer (UNIT)				
	USOC	NONRECURRING CHARGE		
• 56 or 64 kbps				
- First PVC	NRBF1	\$50.00		
- Each additional PVC	NRBF2	20.00		
- Subsequent PVC(s) order charge, per order[3]	NRBFO	75.00		(T)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] Vintage rate in effect 1/17/94 through 11/13/94. (N)

[3] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge". (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H.3. (Cont'd)

	USOC	NONRECURRING CHARGE
• 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps		
- First PVC	NRBF1	\$250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 1.544 Mbps		
- First PVC	NRBF1	50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 44.736 Mbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	50.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• Fault Tolerant Service, per UNIT		
- Initial Service Establishment	NRBF4	500.00
- Subsequent Service Establishment	NRBF5	50.00
- Activation and Restoral	NRBF6	500.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H.3. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T97	\$ 31.50	
- 1 PVC	17TA7	35.35	
- 2 PVCs	17TB7	40.08	
- 3 PVCs	17TC7	43.01	
- 4 PVCs	17TD7	45.95	
- 5 PVCs	17TE7	48.86	
- 6 PVCs through 14[1], per PVC	17TG7	1.12	
Vintage[2]		1.00	(N)
- 15 PVCs through 24[3], per PVC	17TH7	0.24	
Vintage[2]		0.21	(N)
- Each additional PVC over 24[4], per PVC	17TJ7	0.25	(T)
Vintage[2]		0.09	(N)
Vintage[5]		0.10	(N)
• 112 or 128 kbps - UNIT, per Port			
- 1 PVC	17TA7	108.00	
Vintage[5]		63.82	(N)
- 2 PVCs	17TB7	110.70	
Vintage[5]		66.97	(N)
- 3 PVCs	17TC7	113.40	
Vintage[5]		70.12	(N)
- 4 PVCs	17TD7	116.10	
Vintage[5]		73.28	(N)
- 5 PVCs	17TE7	118.80	
Vintage[5]		76.42	(N)
- 6 PVCs through 14[1], per PVC	17TG7	1.10	
- 15 PVCs through 24[3], per PVC	17TH7	0.75	(T)
Vintage[5]		0.41	(N)
- Each additional PVC over 24[4], per PVC	17TJ7	0.45	(T)
Vintage[5]		0.17	(N)

[1] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.

[2] Vintage rate in effect 1/17/94 through 11/13/94. (N)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

[5] Vintage rate in effect 11/14/94 through 12/13/96. (N)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H.3. (Cont'd)

	USOC	MONTHLY RATE	
• 224 or 256 kbps - UNIT, per Port			
- 1 PVC	17TA7	\$144.00	
Vintage[1]		86.15	(N)
- 2 PVCs	17TB7	149.40	
Vintage[1]		92.19	(N)
- 3 PVCs	17TC7	154.80	
Vintage[1]		98.22	(N)
- 4 PVCs	17TD7	160.20	
Vintage[1]		104.25	(N)
- 5 PVCs	17TE7	165.60	
Vintage[1]		110.27	(N)
- 6 PVCs through 14[2], per PVC	17TG7	2.10	(T)
- 15 PVCs through 24[3], per PVC	17TH7	1.50	(T)
Vintage[1]		0.92	(N)
- Each additional PVC over 24[4], per PVC	17TJ7	0.45	(T)
Vintage[1]		0.34	(N)
• 336 or 384 kbps - UNIT, per Port			
- 1 PVC	17TA7	180.00	
Vintage[1]		108.48	(N)
- 2 PVCs	17TB7	187.90	
Vintage[1]		117.39	(N)
- 3 PVCs	17TC7	195.75	
Vintage[1]		126.30	(N)
- 4 PVCs	17TD7	203.65	
Vintage[1]		135.99	(N)
- 5 PVCs	17TE7	211.50	
Vintage[1]		145.68	(N)
- 6 PVCs through 14[2], per PVC	17TG7	3.15	(T)
- 15 PVCs through 24[3], per PVC	17TH7	2.25	(T)
Vintage[1]		1.37	(N)
- Each additional PVC over 24[4], per PVC	17TJ7	0.45	(T)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H.3. (Cont'd)

	USOC	MONTHLY RATE	
• 448 or 512 kbps - UNIT, per Port			
- 1 PVC	17TA7	\$211.50	
Vintage[1]		130.82	(N)
- 2 PVCs	17TB7	220.05	
Vintage[1]		142.60	(N)
- 3 PVCs	17TC7	228.60	
Vintage[1]		154.38	(N)
- 4 PVCs	17TD7	237.15	
Vintage[1]		168.68	(N)
- 5 PVCs	17TE7	245.70	
Vintage[1]		182.97	(N)
- 6 PVCs through 14[2], per PVC	17TG7	3.40	(T)
- 15 PVCs through 24[3], per PVC	17TH7	2.25	(T)
Vintage[1]		1.83	(N)
- Each additional PVC over 24[4], per PVC	17TJ7	0.45	(T)
• 672 or 768 kbps - UNIT, per Port			
- 1 PVC	17TA7	279.00	
Vintage[1]		176.14	(N)
- 2 PVCs	17TB7	291.60	
Vintage[1]		194.32	(N)
- 3 PVCs	17TC7	304.20	
Vintage[1]		212.49	(N)
- 4 PVCs	17TD7	316.80	
Vintage[1]		233.38	(N)
- 5 PVCs	17TE7	329.40	
Vintage[1]		254.29	(N)
- 6 PVCs through 14[2], per PVC	17TG7	3.60	(T)
- 15 PVCs through 24[3], per PVC	17TH7	2.50	(T)
- Each additional PVC over 24[4], per PVC	17TJ7	0.75	(T)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H.3. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T97	\$193.50	
- 1 PVC	17TA7	216.00	
Vintage[1]		123.77	(N)
- 2 PVCs	17TB7	249.30	
Vintage[1]		173.89	(N)
- 3 PVCs	17TC7	282.60	
Vintage[1]		224.02	(N)
- 4 PVCs	17TD7	315.90	
Vintage[1]		273.44	(N)
- 5 PVCs	17TE7	349.20	
Vintage[1]		322.86	(N)
- 6 PVCs through 14[2], per PVC	17TG7	17.10	(T)
Vintage[3]		16.62	(N)
- 15 PVCs through 24[4], per PVC	17TH7	4.50	(T)
- Each additional PVC over 24[5], per PVC	17TJ7	0.45	(T)
Vintage[1]		0.23	(N)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] Vintage rate in effect 1/17/94 through 11/13/94. (T)

[4] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[5] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H.3. (Cont'd)

	USOC	MONTHLY RATE	(M)
• 44.736 Mbps - UNIT, per Port			
- 0 PVCs, used with Fault Tolerant Service	17T97	\$3,150.00	(T)
- 1 PVC	17TU7	3,420.00	(M)
- 2 PVCs through 50[1], per PVC	17TV7	27.00	(T)
- 51 PVCs through 140[2], per PVC	17TW7	7.20	
- 141 PVCs through 240[3], per PVC	17TY7	3.60	
- 241 PVCs through 500[4], per PVC	17TZ7	1.80	(T)

- | | | |
|-----|---|------------|
| [1] | For each PVC over 1, up to and including 50, add this rate to the monthly rate for 1 PVC. | (T)
(M) |
| [2] | For each PVC over 50, up to and including 140, add this rate to the total monthly rate for 50 PVCs. | (T)
(M) |
| [3] | For each PVC over 140, up to and including 240, add this rate to the total monthly rate for 140 PVCs. | (T)
(M) |
| [4] | For each PVC over 240, up to and including 500, add this rate to the total monthly rate for 240 PVCs. | (T)
(M) |

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H. 84 Months (Cont'd)

4. Network-To-Network Information Transfer (NNIT)

	USOC	NONRECURRING CHARGE
• 56 or 64 kbps		
- First PVC	NRBF1	\$50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 112 or 128 kbps, 224 or 256 kbps, 336 or 384 kbps, 448 or 512 kbps, and 672 or 768 kbps		
- First PVC	NRBF1	250.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00
• 1.544 Mbps		
- First PVC	NRBF1	50.00
- Each additional PVC	NRBF2	20.00
- Subsequent PVC(s) order charge, per order[1]	NRBFO	75.00

[1] When appropriate, the "Each additional PVC" nonrecurring charge applies in addition to the "Subsequent PVC order charge".

(C)
(C)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H.4. (Cont'd)

	USOC	MONTHLY RATE	
• 56 or 64 kbps - NNIT, per Port			
- 1 PVC	17TA7	\$34.20	
Vintage[1]		34.19	(N)
- 2 PVCs	17TB7	38.10	
Vintage[1]		35.85	(N)
- 3 PVCs	17TC7	42.05	
Vintage[1]		37.51	(N)
- 4 PVCs	17TD7	45.95	
Vintage[1]		39.18	(N)
- 5 PVCs	17TE7	49.85	
Vintage[1]		40.83	(N)
- 6 PVCs through 14[2], per PVC	17TG7	0.45	(T)
- 15 PVCs through 24[3], per PVC	17TH7	0.25	(T)
Vintage[1]		0.14	(N)
- Each additional PVC over 24[4], per PVC	17TJ7	0.25	(T)
Vintage[1]		0.06	(N)
• 112 or 128 kbps - NNIT, per Port			
- 1 PVC	17TA7	76.50	
Vintage[1]		44.77	(N)
- 2 PVCs	17TB7	79.20	
Vintage[1]		47.92	(N)
- 3 PVCs	17TC7	81.90	
Vintage[1]		51.08	(N)
- 4 PVCs	17TD7	84.60	
Vintage[1]		54.23	(N)
- 5 PVCs	17TE7	87.30	
Vintage[1]		57.37	(N)
- 6 PVCs through 14[2], per PVC	17TG7	1.10	(T)
- 15 PVCs through 24[3], per PVC	17TH7	0.75	(T)
Vintage[1]		0.30	(N)
- Each additional PVC over 24[4], per PVC	17TJ7	0.45	(T)
Vintage[1]		0.11	(N)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H.4. (Cont'd)

	USOC	MONTHLY RATE	
• 224 or 256 kbps - NNIT, per Port			
- 1 PVC	17TA7	\$112.50	
Vintage[1]		67.10	(N)
- 2 PVCs	17TB7	117.90	
Vintage[1]		73.15	(N)
- 3 PVCs	17TC7	123.30	
Vintage[1]		79.17	(N)
- 4 PVCs	17TD7	128.70	
Vintage[1]		85.20	(N)
- 5 PVCs	17TE7	134.10	
Vintage[1]		91.22	(N)
- 6 PVCs through 14[2], per PVC	17TG7	2.10	(T)
- 15 PVCs through 24[3], per PVC	17TH7	1.50	(T)
Vintage[1]		0.55	(N)
- Each additional PVC over 24[4], per PVC	17TJ7	0.45	(T)
Vintage[1]		0.21	(N)
• 336 or 384 kbps - NNIT, per Port			
- 1 PVC	17TA7	153.00	
Vintage[1]		89.43	(N)
- 2 PVCs	17TB7	160.90	
Vintage[1]		98.34	(N)
- 3 PVCs	17TC7	168.75	
Vintage[1]		107.24	(N)
- 4 PVCs	17TD7	176.65	
Vintage[1]		116.15	(N)
- 5 PVCs	17TE7	184.50	
Vintage[1]		125.04	(N)
- 6 PVCs through 14[2], per PVC	17TG7	3.15	(T)
- 15 PVCs through 24[3], per PVC	17TH7	2.25	(T)
Vintage[1]		0.83	(N)
- Each additional PVC over 24[4], per PVC	17TJ7	0.45	(T)
Vintage[1]		0.30	(N)
[1] Vintage rate in effect 11/14/94 through 12/13/96.			(N)
[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs.			(T)
[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs.			(T)
[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs.			(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H.4. (Cont'd)

	USOC	MONTHLY RATE	
• 448 or 512 kbps - NNIT, per Port			
- 1 PVC	17TA7	\$184.50	
Vintage[1]		111.76	(N)
- 2 PVCs	17TB7	193.05	
Vintage[1]		123.55	(N)
- 3 PVCs	17TC7	201.60	
Vintage[1]		135.33	(N)
- 4 PVCs	17TD7	210.15	
Vintage[1]		147.11	(N)
- 5 PVCs	17TE7	218.70	
Vintage[1]		158.89	(N)
- 6 PVCs through 14[2], per PVC	17TG7	3.40	(T)
- 15 PVCs through 24[3], per PVC	17TH7	2.25	(T)
Vintage[1]		1.10	(N)
- Each additional PVC over 24[4], per PVC	17TJ7	0.45	(T)
Vintage[1]		0.41	(N)
• 672 or 768 kbps - NNIT, per Port			
- 1 PVC	17TA7	252.00	
Vintage[1]		157.09	(N)
- 2 PVCs	17TB7	263.70	
Vintage[1]		175.27	(N)
- 3 PVCs	17TC7	275.40	
Vintage[1]		193.45	(N)
- 4 PVCs	17TD7	287.10	
Vintage[1]		211.62	(N)
- 5 PVCs	17TE7	298.80	
Vintage[1]		229.80	(N)
- 6 PVCs through 14[2], per PVC	17TG7	3.40	(T)
- 15 PVCs through 24[3], per PVC	17TH7	2.25	(T)
- Each additional PVC over 24[4], per PVC	17TJ7	0.45	(T)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H.4. (Cont'd)

	USOC	MONTHLY RATE	
• 1.544 Mbps - NNIT, per Port			
- 1 PVC	17TA7	\$189.00	
Vintage[1]		104.72	(N)
- 2 PVCs	17TB7	222.30	
Vintage[1]		154.14	(N)
- 3 PVCs	17TC7	255.60	
Vintage[1]		203.57	(N)
- 4 PVCs	17TD7	288.90	
Vintage[1]		252.98	(N)
- 5 PVCs	17TE7	322.20	
Vintage[1]		302.41	(N)
- 6 PVCs through 14[2], per PVC	17TG7	17.10	(T)
- 15 PVCs through 24[3], per PVC	17TH7	4.50	(T)
Vintage[1]		4.06	(N)
- Each additional PVC over 24[4], per PVC	17TJ7	0.45	(T)
Vintage[1]		0.14	(N)

[1] Vintage rate in effect 11/14/94 through 12/13/96. (N)

[2] For each PVC over 5, up to and including 14, add this rate to the monthly rate for 5 PVCs. (T)

[3] For each PVC over 14, up to and including 24, add this rate to the total monthly rate for 14 PVCs. (T)

[4] For each PVC over 24 add this rate to the total monthly rate for 24 PVCs. (T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H. 84 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Central Office Connecting Channel				
• Per connection between a Multiplexer and FRS Port or between a Company facility port and an FRS Port				(T) (T)
- For speeds up to 1.544 Mbps	CU8BR	\$25.00	\$ 0.59	(T)
- For speeds up to 44.736 Mbps	CU8BR	50.00	9.00	(N)
6. Transport Channels[1]				
7. Optional Features and Functions				
• Customer Network Management (CNM)				
- Per workstation registered address initial setup	NM6X7	15.00	60.30	
- Subsequent CNM order charge, per workstation registered address change or addition of CNM to existing FRS[2]	NR9FM	38.00	—	

[1] See Section 7 for Transport Channel rates and regulations.

[2] When adding CNM to existing FRS, the Subsequent CNM Order Charge applies in addition to the Nonrecurring Charge for the initial setup of CNM.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Priority UNIT PVC[1], per PVC				
- 56 or 64 kbps	PV7X7	\$50.00	\$4.50	
- 112 or 128 kbps	PV7X7	50.00	5.25	
- 224 or 256 kbps	PV7X7	50.00	6.00	
- 336 or 384 kbps	PV7X7	50.00	6.75	
- 448 or 512 kbps	PV7X7	50.00	7.50	
- 672 or 768 kbps	PV7X7	50.00	8.25	
- 1.544 Mbps	PV7X7	50.00	9.00	
- 44.736 Mbps	PV7X7	50.00	9.00	(N)

[1] Priority PVC rates and charges apply in addition to the UNIT PVC rates and charges set forth preceding.

(N)
(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.2 FRAME RELAY SERVICE

H.7. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(N)
• Per Video PVC[1]				
- 384 kbps CIR	PVUE7	\$700.00	\$18.00	
- 512 kbps CIR	PVUF7	700.00	27.00	(N)

[1] Video PVC rates and charges apply in addition to the 1.544 Mbps UNIT PVC rates and charges set forth preceding.

(N)
(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

8.4.3 MEGABIT SERVICE

A. MegaBit Subscriber Service

1. MegaBit Subscriber Service Charge,
per termination

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
a. 256 kbps, bi-directional				(T)
• per session connection				(N)
- Monthly	HRCAM	\$69.00	\$19.95	
- 12 Months	HRCA1	69.00	19.95	
- 36 Months	HRCA3	69.00	19.95	
- 60 Months	HRCA5	69.00	19.95	(N)
• dedicated connection				(T)
- Monthly	HRLAM	69.00	29.95	
- 12 Months	HRLA1	69.00	29.95	
- 36 Months	HRLA3	69.00	29.95	
- 60 Months	HRLA5	69.00	29.95	(T)
				(M)

Certain material previously found on this page can now be found on page 8-114.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.3 MEGABIT SERVICE

A.1. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
b. 512 kbps, bi-directional				(T)
• dedicated connection				
- Monthly	HRLBM	\$69.00	\$65.00	
- 12 Months	HRLB1	69.00	62.40	
- 36 Months	HRLB3	69.00	59.80	
- 60 Months	HRLB5	69.00	57.20	
c. 768 kbps, bi-directional				
• dedicated connection				
- Monthly	HRLCM	69.00	80.00	
- 12 Months	HRLC1	69.00	76.80	
- 36 Months	HRLC3	69.00	73.60	
- 60 Months	HRLC5	69.00	70.40	
d. 1 Mbps, bi-directional				
• dedicated connection				
- Monthly	HRLDM	69.00	125.00	
- 12 Months	HRLD1	69.00	120.00	
- 36 Months	HRLD3	69.00	115.00	
- 60 Months	HRLD5	69.00	110.00	(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.3 MEGABIT SERVICE

A.1. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M) (M)
e. 4 Mbps receive, 1 Mbps send				(T)
• dedicated connection				
- Monthly	HRLEM	\$69.00	\$500.00	
- 12 Months	HRLE1	69.00	480.00	
- 36 Months	HRLE3	69.00	460.00	
- 60 Months	HRLE5	69.00	440.00	
f. 7 Mbps receive, 1 Mbps send				
• dedicated connection				
- Monthly	HRLFM	69.00	875.00	
- 12 Months	HRLF1	69.00	840.00	
- 36 Months	HRLF3	69.00	805.00	
- 60 Months	HRLF5	69.00	770.00	(T)
		USOC	NONRECURRING CHARGE	
2. MegaBit Subscriber Change Charge, per order				(T)
• Speed/Destination Channel Change		REAKM	\$30.00	(T)
• Change from Dedicated to Per Session Connection, or vice versa[1]		REAK9	30.00	(N)
[1] When a change in speed or destination channel is requested at the same time as a change from a dedicated to a shared connection, or vice versa, only the higher of the MegaBit Subscriber Change Charges applies.				(N)

Certain material found on this page formerly appeared on Page 8-114.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.3 MEGABIT SERVICE (Cont'd)

B. MegaCentral Access Link

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• 1.544 Mbps[1]		[1]	[1]
• 44.736 Mbps[2]		[2]	[2]
• 155.52 Mbps[2]		[2]	[2]

C. MegaCentral Port (BSE)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
1. 1.5 Mbps, per Port			
• Monthly	HPRGM	\$500.00	\$910.00
• 12 Months	HPRG1	500.00	455.00
• 36 Months	HPRG3	500.00	409.50
• 60 Months	HPRG5	500.00	364.00

[1] DS1 Service Channel Termination rates and charges are as set forth in 7.11, preceding. (T)

[2] ATM CRS Optical Access Link rates and charges are as set forth in 8.4.4, following and DS3 Service Channel Termination rates and charges are as set forth in 7.12, preceding. (T)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.3 MEGABIT SERVICE

(T)

C. MegaCentral Port (Cont'd)

2. 44.736 Mbps, per Port[1]

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Monthly	HPRKM	\$161.45 (R)	\$440.00 (R)
• 12 Months	HPRK1	161.45	418.00
• 36 Months	HPRK3	161.45	407.00
• 60 Months	HPRK5	161.45 (R)	396.00 (R)

3. 155.52 Mbps, per Port [2]

[2]

[2]

(N)

USOC	MONTHLY RATE
------	-----------------

D. Bandwidth[3]

(T)

1. Each 3 Mbps Increment, up to 44.736 Mbps, per increment

• Monthly	HB1HM	—	478.00
• 12 Months	HB1H1	—	239.00
• 36 Months	HB1H3	—	232.00
• 60 Months	HB1H5	—	227.00

[1] A minimum of one 3 Mbps Bandwidth increment applies for each 44.736 Mbps MegaCentral Port. The nonrecurring charge includes the installation of the Bandwidth increment(s) installed at the same time as the MegaCentral Port.

[2] See ATM Cell Relay Service Fixed Rate, per Port, 155.52 Mbps, 8.4.4., following.

(N)

[3] Applicable only to the 44.736 Mbps MegaCentral Port or ATM CRS Port used in lieu of a MegaCentral Port. A minimum of one increment applies for each 44.736 Mbps MegaCentral Port or ATM CRS Port used in lieu of a MegaCentral Port.

(C)

|

(C)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

8.4.3 MEGABIT SERVICE

D. Bandwidth (Cont'd)

	USOC	NONRECURRING CHARGE	
2. MegaCentral Port Bandwidth Change Charge			
• 3 to 45 Mbps port speed bandwidth change, per speed change	REAKN	\$100.00	
	USOC	NONRECURRING CHARGE	MONTHLY RATE
E. Central Office Connecting Channel[1]			
• Per connection		[1]	[1]

[1] COCC rates and charges are as set forth in 7.11, or 7.12, preceding.

(T)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.3 MEGABIT SERVICE (Cont'd)

F. MegaBit IDSL Service

1. Channel Termination,
per termination

	USOC	MONTHLY RATE	NONRECURRING CHARGE
• Monthly	T8XYX	\$69.95	\$250.00
• 12 Months	T8XY1	69.95	250.00
• 36 Months	T8XY3	65.95 (R)	250.00
• 60 Months	T8XY5	59.95 (R)	250.00

	USOC	NONRECURRING CHARGE
2. Speed Change Charge, per order	REALY	\$30.00

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

(T)
(D)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

8.4.4 ATM CELL RELAY SERVICE

(C)

A. Monthly^[1]

(T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Optical Access Link, per Access Link				
• 45 Mbps	N7AXM	\$ 840.27	\$ 710.00	
• 155 Mbps	N7AXM	860.24	1060.00	
• 45 Mbps optioned with protection	N7ARM	1,320.00	1,200.00	(N)
• 155 Mbps optioned with protection	N7ARM	1,380.00	2,800.00	(N)
2. Stand-Alone Optical Access Link, per Access Link				
• 45 Mbps	N1AXM	840.27	710.00	
• 155 Mbps	N1AXM	860.24	1060.00	
• 45 Mbps optioned with protection	N1ARM	1,320.00	1,200.00	(N)
• 155 Mbps optioned with protection	N1ARM	1,380.00	2,800.00	(N)

(D)

[1] ATM CRS may be ordered as Monthly once the initial requirement to order the service as a fixed period service rate plan has been satisfied.

(T)

Certain material previously found on this page can now be found on Page 8-145.1.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

8.4.4 ATM CELL RELAY SERVICE

A. Monthly[1] (Cont'd)

	USOC	NONRECURRING CHARGE	
3. Cell Transfer			
• First VCC	NR9AV	\$150.00	
• Each additional VCC	NR9AW	50.00	
• First VPC	NR9AX	150.00	
• Each additional VPC	NR9AY	50.00	
• Subsequent VCC(s) or VPC order charge, per order[2]	NR9AZ	160.00	
	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Fixed Rate, per Port			
- 1.544 Mbps	C3TXM	\$161.45	\$280.00 (N)
- 45 Mbps	C3TXM	161.45	440.00 (T)
- 155 Mbps	C3TXM	161.45	800.00

[1] ATM CRS may be ordered as Monthly once the initial requirement to order the service as a fixed period service rate plan has been satisfied.

[2] In addition to the Subsequent VCC(s) or VPC order charge, the First and Each Additional VCC or VPC nonrecurring charges apply, as applicable.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

A.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 64 kbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNBM	\$ 2.00	(N)
- 45 Mbps port	CTNBM	2.00	(M)
- 155 Mbps port	CTNBM	2.00	(M)
• Peak Cell Rate Service, per 75 kbps			(N)
Increment of total bandwidth			
- 1.544 Mbps port	CTNJM	2.30	
- 45 Mbps port	CTNJM	2.30	
- 155 Mbps port	CTNJM	2.30	(N)
• Peak Cell Rate Service, per 1 Mbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNAM	30.00	(N)
- 45 Mbps port	CTNAM	30.00	(M)
- 155 Mbps port	CTNAM	30.00	(M)

Certain material on this page formerly appeared on Page 8-146.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

A.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNDM	\$ 40.00	
- 155 Mbps port	CTNDM	40.00	
• Peak Cell Rate Service, per 1.787 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNKM	46.50	
- 155 Mbps port	CTNKM	46.50	
• Peak Cell Rate Service, per 40.7 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNGM	1,050.00	
- 155 Mbps port	CTNGM	1,050.00	(N)
• Peak Cell Rate Service, per 149 Mbps Increment of total bandwidth			
- 155 Mbps port	CTNHM	3,800.00	
• Sustained Cell Rate Service, per 64 kbps Increment of total bandwidth			
- 1.544 Mbps port	CTNEM	2.50	
- 45 Mbps port	CTNEM	2.50	
- 155 Mbps port	CTNEM	2.50	
• Sustained Cell Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTNCM	37.50	
- 45 Mbps port	CTNCM	37.50	
- 155 Mbps port	CTNCM	37.50	

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

A.3. (Cont'd)

	USOC	MONTHLY RATE	
<ul style="list-style-type: none"> Sustained Cell Rate Service, per 1.544 Mbps Increment of total bandwidth <ul style="list-style-type: none"> - 45 Mbps port - 155 Mbps port 	CTNFM CTNFM	\$ 45.00 45.00	
<ul style="list-style-type: none"> Sustained Cell Rate Service, Maximum Burst Size, per VCC <ul style="list-style-type: none"> - 32 Cells - 100 Cells[1] - 200 Cells[1] 	CTSAM CTSBM CTSCM	— 100.00 200.00	
<ul style="list-style-type: none"> Unspecified Bit Rate Service, per 64 kbps Increment of total bandwidth <ul style="list-style-type: none"> - 1.544 Mbps port - 45 Mbps port - 155 Mbps port 	CTUEM CTUEM CTUEM	0.80 0.80 0.80	(N)
<ul style="list-style-type: none"> Unspecified Bit Rate Service, per 1 Mbps Increment of total bandwidth <ul style="list-style-type: none"> - 1.544 Mbps port - 45 Mbps port - 155 Mbps port 	CTUCM CTUCM CTUCM	12.00 12.00 12.00	(N)
	USOC	NONRECURRING CHARGE	MONTHLY RATE
4. Central Office Connecting Channel (COCC), per COCC			
- Up to 1.544 Mbps	CFNXM	\$25.00	\$ 0.65
- Up to 45 or 155 Mbps	CFNXM	30.00	12.50

[1] The Maximum Burst Size of 200 Cells requires the customer to purchase a minimum of 4 Mbps of Sustained Cell Rate Service for each VCC.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE(Cont'd)

B. 12 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Optical Access Link, per Access Link				
• 45 Mbps	N7AX1	\$ 840.27	\$ 674.50	
• 155 Mbps	N7AX1	860.24	1007.00	
• 45 Mbps optioned with protection	N7AR1	1,320.00	1,140.00	(N)
• 155 Mbps optioned with protection	N7AR1	1,380.00	2,660.00	(N)
2. Stand-Alone Optical Access Link, per Access Link				
• 45 Mbps	N1AX1	840.27	674.50	
• 155 Mbps	N1AX1	860.24	1007.00	
• 45 Mbps optioned with protection	N1AR1	1,320.00	1,140.00	(N)
• 155 Mbps optioned with protection	N1AR1	1,380.00	2,660.00	(N)

Certain material previously found on this page can now be found on Page 8-147.1.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

B. 12 Months (Cont'd)

	USOC	NONRECURRING CHARGE	
3. Cell Transfer			
• First VCC	NR9AV	\$150.00	
• Each additional VCC	NR9AW	50.00	
• First VPC	NR9AX	150.00	
• Each additional VPC	NR9AY	50.00	
• Subsequent VCC(s) or VPC order charge, per order[1]	NR9AZ	160.00	
	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Fixed Rate, per Port			
- 1.544 Mbps	C3TX1	\$161.45	\$266.00 (N)
- 45 Mbps	C3TX1	161.45	418.00 (T)
- 155 Mbps	C3TX1	161.45	760.00

[1] In addition to the Subsequent VCC(s) or VPC order charge, the First and Each Additional VCC or VPC nonrecurring charges apply, as applicable.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

B.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 64 kbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNB1	\$ 1.90	(N)
- 45 Mbps port	CTNB1	1.90	(M)
- 155 Mbps port	CTNB1	1.90	(M)
• Peak Cell Rate Service, per 75 kbps			(N)
Increment of total bandwidth			
- 1.544 Mbps port	CTNJ1	2.19	
- 45 Mbps port	CTNJ1	2.19	
- 155 Mbps port	CTNJ1	2.19	(N)
• Peak Cell Rate Service, per 1 Mbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNA1	28.50	(N)
- 45 Mbps port	CTNA1	28.50	(M)
- 155 Mbps port	CTNA1	28.50	(M)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

B.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTND1	\$ 38.00	
- 155 Mbps port	CTND1	38.00	
• Peak Cell Rate Service, per 1.787 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNK1	44.18	
- 155 Mbps port	CTNK1	44.18	
• Peak Cell Rate Service, per 40.7 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNG1	997.50	
- 155 Mbps port	CTNG1	997.50	(N)
• Peak Cell Rate Service, per 149 Mbps Increment of total bandwidth			
- 155 Mbps port	CTNH1	3,610.00	
• Sustained Cell Rate Service, per 64 kbps Increment of total bandwidth			
- 1.544 Mbps port	CTNE1	2.38	
- 45 Mbps port	CTNE1	2.38	
- 155 Mbps port	CTNE1	2.38	
• Sustained Cell Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTNC1	35.63	
- 45 Mbps port	CTNC1	35.63	
- 155 Mbps port	CTNC1	35.63	

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

B.3. (Cont'd)

	USOC	MONTHLY RATE	
• Sustained Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNF1	\$ 42.75	
- 155 Mbps port	CTNF1	42.75	
• Sustained Cell Rate Service, Maximum Burst Size, per VCC			
- 32 Cells	CTSA1	—	
- 100 Cells[1]	CTSB1	95.00	
- 200 Cells[1]	CTSC1	190.00	
• Unspecified Bit Rate Service, per 64 kbps Increment of total bandwidth			(N)
- 1.544 Mbps port	CTUE1	0.76	
- 45 Mbps port	CTUE1	0.76	
- 155 Mbps port	CTUE1	0.76	
• Unspecified Bit Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTUC1	11.40	
- 45 Mbps port	CTUC1	11.40	
- 155 Mbps port	CTUC1	11.40	(N)
	USOC	NONRECURRING CHARGE	MONTHLY RATE
4. Central Office Connecting Channel (COCC), per COCC			
- Up to 1.544 Mbps	CFNX1	\$25.00	\$ 0.62
- Up to 45 or 155 Mbps	CFNX1	30.00	11.88

[1] The Maximum Burst Size of 200 Cells requires the customer to purchase a minimum of 4 Mbps of Sustained Cell Rate Service for each VCC.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE (Cont'd)

C. 24 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Optical Access Link, per Access Link				
• 45 Mbps	N7AX2	\$ 840.27	\$ 665.63	
• 155 Mbps	N7AX2	860.24	993.75	
• 45 Mbps optioned with protection	N7AR2	1,320.00	1,125.00	(N)
• 155 Mbps optioned with protection	N7AR2	1,380.00	2,625.00	(N)
2. Stand-Alone Optical Access Link, per Access Link				
• 45 Mbps	N1AX2	840.27	665.63	
• 155 Mbps	N1AX2	860.24	993.75	
• 45 Mbps optioned with protection	N1AR2	1,320.00	1,125.00	(N)
• 155 Mbps optioned with protection	N1AR2	1,380.00	2,625.00	(N)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

C. 24 Months (Cont'd)

	USOC	NONRECURRING CHARGE	
3. Cell Transfer			
• First VCC	NR9AV	\$150.00	
• Each additional VCC	NR9AW	50.00	
• First VPC	NR9AX	150.00	
• Each additional VPC	NR9AY	50.00	
• Subsequent VCC(s) or VPC order charge, per order[1]	NR9AZ	160.00	
	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Fixed Rate, per Port			
- 1.544 Mbps	C3TX2	\$161.45	\$262.50 (N)
- 45 Mbps	C3TX2	161.45	412.50 (T)
- 155 Mbps	C3TX2	161.45	750.00

[1] In addition to the Subsequent VCC(s) or VPC order charge, the First and Each Additional VCC or VPC nonrecurring charges apply, as applicable.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

C.3. Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 64 kbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNB2	\$1.88	(N)
- 45 Mbps port	CTNB2	1.88	(M)
- 155 Mbps port	CTNB2	1.88	(M)
• Peak Cell Rate Service, per 75 kbps			(N)
Increment of total bandwidth			
- 1.544 Mbps port	CTNJ2	2.16	
- 45 Mbps port	CTNJ2	2.16	
- 155 Mbps port	CTNJ2	2.16	(N)
• Peak Cell Rate Service, per 1 Mbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNA2	28.13	(N)
- 45 Mbps port	CTNA2	28.13	(M)
- 155 Mbps port	CTNA2	28.13	(M)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

C.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTND2	\$ 37.50	
- 155 Mbps port	CTND2	37.50	
• Peak Cell Rate Service, per 1.787 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNK2	43.59	
- 155 Mbps port	CTNK2	43.59	
• Peak Cell Rate Service, per 40.7 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNG2	984.38	
- 155 Mbps port	CTNG2	984.38	(N)
• Peak Cell Rate Service, per 149 Mbps Increment of total bandwidth			
- 155 Mbps port	CTNH2	3,562.50	
• Sustained Cell Rate Service, per 64 kbps Increment of total bandwidth			
- 1.544 Mbps port	CTNE2	2.34	
- 45 Mbps port	CTNE2	2.34	
- 155 Mbps port	CTNE2	2.34	
• Sustained Cell Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTNC2	35.16	
- 45 Mbps port	CTNC2	35.16	
- 155 Mbps port	CTNC2	35.16	

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

C.3. (Cont'd)

	USOC	MONTHLY RATE	
• Sustained Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNF2	\$ 42.19	
- 155 Mbps port	CTNF2	42.19	
• Sustained Cell Rate Service, Maximum Burst Size, per VCC			
- 32 Cells	CTSA2	—	
- 100 Cells[1]	CTSB2	93.75	
- 200 Cells[1]	CTSC2	187.50	
• Unspecified Bit Rate Service, per 64 kbps Increment of total bandwidth			(N)
- 1.544 Mbps port	CTUE2	0.75	
- 45 Mbps port	CTUE2	0.75	
- 155 Mbps port	CTUE2	0.75	
• Unspecified Bit Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTUC2	11.25	
- 45 Mbps port	CTUC2	11.25	
- 155 Mbps port	CTUC2	11.25	(N)
	USOC	NONRECURRING CHARGE	MONTHLY RATE
4. Central Office Connecting Channel (COCC), per COCC			
- Up to 1.544 Mbps	CFNX2	\$25.00	\$ 0.61
- Up to 45 or 155 Mbps	CFNX2	30.00	11.72

[1] The Maximum Burst Size of 200 Cells requires the customer to purchase a minimum of 4 Mbps of Sustained Cell Rate Service for each VCC.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE (Cont'd)

D. 36 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Optical Access Link, per Access Link				
• 45 Mbps	N7AX3	\$ 840.27	\$ 656.75	
• 155 Mbps	N7AX3	860.24	980.50	
• 45 Mbps optioned with protection	N7AR3	1,320.00	1,110.00	(N)
• 155 Mbps optioned with protection	N7AR3	1,380.00	2,590.00	(N)
2. Stand-Alone Optical Access Link, per Access Link				
• 45 Mbps	N1AX3	840.27	656.75	
• 155 Mbps	N1AX3	860.24	980.50	
• 45 Mbps optioned with protection	N1AR3	1,320.00	1,110.00	(N)
• 155 Mbps optioned with protection	N1AR3	1,380.00	2,590.00	(N)

Certain material previously found on this page can now be found on Page 8-151.1.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

D. 36 Months (Cont'd)

	USOC	NONRECURRING CHARGE	
3. Cell Transfer			
• First VCC	NR9AV	\$150.00	
• Each additional VCC	NR9AW	50.00	
• First VPC	NR9AX	150.00	
• Each additional VPC	NR9AY	50.00	
• Subsequent VCC(s) or VPC order charge, per order[1]	NR9AZ	160.00	
	NONRECURRING USOC	MONTHLY CHARGE	RATE
• Fixed Rate, per Port			
- 1.544 Mbps	C3TX3	\$161.45	\$259.00 (N)
- 45 Mbps	C3TX3	161.45	407.00 (T)
- 155 Mbps	C3TX3	161.45	740.00

[1] In addition to the Subsequent VCC(s) or VPC order charge, the First and Each Additional VCC or VPC nonrecurring charges apply, as applicable.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

D.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 64 kbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNB3	\$ 1.85	(N)
- 45 Mbps port	CTNB3	1.85	(M)
- 155 Mbps port	CTNB3	1.85	(M)
• Peak Cell Rate Service, per 75 kbps			(N)
Increment of total bandwidth			
- 1.544 Mbps port	CTNJ3	2.13	
- 45 Mbps port	CTNJ3	2.13	
- 155 Mbps port	CTNJ3	2.13	(N)
• Peak Cell Rate Service, per 1 Mbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNA3	27.75	(N)
- 45 Mbps port	CTNA3	27.75	(M)
- 155 Mbps port	CTNA3	27.75	(M)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

D.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTND3	\$ 37.00	
- 155 Mbps port	CTND3	37.00	
• Peak Cell Rate Service, per 1.787 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNK3	43.01	
- 155 Mbps port	CTNK3	43.01	
• Peak Cell Rate Service, per 40.7 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNG3	971.25	
- 155 Mbps port	CTNG3	971.25	(N)
• Peak Cell Rate Service, per 149 Mbps Increment of total bandwidth			
- 155 Mbps port	CTNH3	3,515.00	
• Sustained Cell Rate Service, per 64 kbps Increment of total bandwidth			
- 1.544 Mbps port	CTNE3	2.31	
- 45 Mbps port	CTNE3	2.31	
- 155 Mbps port	CTNE3	2.31	
• Sustained Cell Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTNC3	34.69	
- 45 Mbps port	CTNC3	34.69	
- 155 Mbps port	CTNC3	34.69	

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

D.3. (Cont'd)

	USOC	MONTHLY RATE	
• Sustained Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNF3	\$ 41.63	
- 155 Mbps port	CTNF3	41.63	
• Sustained Cell Rate Service, Maximum Burst Size, per VCC			
- 32 Cells	CTSA3	—	
- 100 Cells[1]	CTSB3	92.50	
- 200 Cells[1]	CTSC3	185.00	
• Unspecified Bit Rate Service, per 64 kbps Increment of total bandwidth			(N)
- 1.544 Mbps port	CTUE3	0.74	
- 45 Mbps port	CTUE3	0.74	
- 155 Mbps port	CTUE3	0.74	
• Unspecified Bit Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTUC3	11.10	
- 45 Mbps port	CTUC3	11.10	
- 155 Mbps port	CTUC3	11.10	(N)
	USOC	NONRECURRING CHARGE	MONTHLY RATE
4. Central Office Connecting Channel (COCC), per COCC			
- Up to 1.544 Mbps	CFNX3	\$25.00	\$ 0.60
- Up to 44.736 Mbps	CFNX3	30.00	11.56

[1] The Maximum Burst Size of 200 Cells requires the customer to purchase a minimum of 4 Mbps of Sustained Cell Rate Service for each VCC.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE(Cont'd)

E. 48 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Optical Access Link, per Access Link				
• 45 Mbps	N7AX4	\$ 840.27	\$ 647.88	
• 155 Mbps	N7AX4	860.24	967.25	
• 45 Mbps optioned with protection	N7AR4	1,320.00	1,095.00	(N)
• 155 Mbps optioned with protection	N7AR4	1,380.00	2,555.00	(N)
2. Stand-Alone Optical Access Link, per Access Link				
• 45 Mbps	N1AX4	840.27	647.88	
• 155 Mbps	N1AX4	860.24	967.25	
• 45 Mbps optioned with protection	N1AR4	1,320.00	1,095.00	(N)
• 155 Mbps optioned with protection	N1AR4	1,380.00	2,555.00	(N)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

E. 48 Months (Cont'd)

	USOC	NONRECURRING CHARGE	
3. Cell Transfer			
• First VCC	NR9AV	\$150.00	
• Each additional VCC	NR9AW	50.00	
• First VPC	NR9AX	150.00	
• Each additional VPC	NR9AY	50.00	
• Subsequent VCC(s) or VPC order charge, per order[1]	NR9AZ	160.00	
	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Fixed Rate, per Port			
- 1.544 Mbps	C3TX4	\$161.45	\$255.50 (N)
- 45 Mbps	C3TX4	161.45	401.50 (T)
- 155 Mbps	C3TX4	161.45	730.00

[1] In addition to the Subsequent VCC(s) or VPC order charge, the First and Each Additional VCC or VPC nonrecurring charges apply, as applicable.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

E.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 64 kbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNB4	\$ 1.83	(N)
- 45 Mbps port	CTNB4	1.83	(M)
- 155 Mbps port	CTNB4	1.83	(M)
• Peak Cell Rate Service, per 75 kbps			(N)
Increment of total bandwidth			
- 1.544 Mbps port	CTNJ4	2.10	
- 45 Mbps port	CTNJ4	2.10	
- 155 Mbps port	CTNJ4	2.10	(N)
• Peak Cell Rate Service, per 1 Mbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNA4	27.38	(N)
- 45 Mbps port	CTNA4	27.38	(M)
- 155 Mbps port	CTNA4	27.38	(M)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

E.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTND4	\$ 36.50	
- 155 Mbps port	CTND4	36.50	
• Peak Cell Rate Service, per 1.787 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNK4	42.43	
- 155 Mbps port	CTNK4	42.43	
• Peak Cell Rate Service, per 40.7 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNG4	958.13	
- 155 Mbps port	CTNG4	958.13	(N)
• Peak Cell Rate Service, per 149 Mbps Increment of total bandwidth			
- 155 Mbps port	CTNH4	3,467.50	
• Sustained Cell Rate Service, per 64 kbps Increment of total bandwidth			
- 1.544 Mbps port	CTNE4	2.28	
- 45 Mbps port	CTNE4	2.28	
- 155 Mbps port	CTNE4	2.28	
• Sustained Cell Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTNC4	34.22	
- 45 Mbps port	CTNC4	34.22	
- 155 Mbps port	CTNC4	34.22	

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

E.3. (Cont'd)

	USOC	MONTHLY RATE	
• Sustained Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNF4	\$ 41.06	
- 155 Mbps port	CTNF4	41.06	
• Sustained Cell Rate Service, Maximum Burst Size, per VCC			
- 32 Cells	CTSA4	—	
- 100 Cells[1]	CTSB4	91.25	
- 200 Cells[1]	CTSC4	182.50	
• Unspecified Bit Rate Service, per 64 kbps Increment of total bandwidth			(N)
- 1.544 Mbps port	CTUE4	0.73	
- 45 Mbps port	CTUE4	0.73	
- 155 Mbps port	CTUE4	0.73	
• Unspecified Bit Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTUC4	10.95	
- 45 Mbps port	CTUC4	10.95	
- 155 Mbps port	CTUC4	10.95	(N)
	USOC	NONRECURRING CHARGE	MONTHLY RATE
4. Central Office Connecting Channel (COCC), per COCC			
- Up to 1.544 Mbps	CFNX4	\$25.00	\$ 0.59
- Up to 45 or 155 Mbps	CFNX4	30.00	11.41

[1] The Maximum Burst Size of 200 Cells requires the customer to purchase a minimum of 4 Mbps of Sustained Cell Rate Service for each VCC.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE (Cont'd)

F. 60 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Optical Access Link, per Access Link				
• 45 Mbps	N7AX5	\$ 840.27	\$ 639.00	
• 155 Mbps	N7AX5	860.24	954.00	
• 45 Mbps optioned with protection	N7AR5	1,320.00	1,080.00	(N)
• 155 Mbps optioned with protection	N7AR5	1,380.00	2,520.00	(N)
2. Stand-Alone Optical Access Link, per Access Link				
• 45 Mbps	N1AX5	840.27	639.00	
• 155 Mbps	N1AX5	860.24	954.00	
• 45 Mbps optioned with protection	N1AR5	1,320.00	1,080.00	(N)
• 155 Mbps optioned with protection	N1AR5	1,380.00	2,520.00	(N)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

F. 60 Months (Cont'd)

	USOC	NONRECURRING CHARGE	
3. Cell Transfer			
• First VCC	NR9AV	\$150.00	
• Each additional VCC	NR9AW	50.00	
• First VPC	NR9AX	150.00	
• Each additional VPC	NR9AY	50.00	
• Subsequent VCC(s) or VPC order charge, per order[1]	NR9AZ	160.00	
	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Fixed Rate, per Port			
- 1.544 Mbps	C3TX5	\$161.45	\$252.00 (N)
- 45 Mbps	C3TX5	161.45	396.00 (T)
- 155 Mbps	C3TX5	161.45	720.00

[1] In addition to the Subsequent VCC(s) or VPC order charge, the First and Each Additional VCC or VPC nonrecurring charges apply, as applicable.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

F.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 64 kbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNB5	\$ 1.80	(N)
- 45 Mbps port	CTNB5	1.80	(M)
- 155 Mbps port	CTNB5	1.80	(M)
• Peak Cell Rate Service, per 75 kbps			(N)
Increment of total bandwidth			
- 1.544 Mbps port	CTNJ5	2.07	
- 45 Mbps port	CTNJ5	2.07	
- 155 Mbps port	CTNJ5	2.07	(N)
• Peak Cell Rate Service, per 1 Mbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNA5	27.00	(N)
- 45 Mbps port	CTNA5	27.00	(M)
- 155 Mbps port	CTNA5	27.00	(M)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

F.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTND5	\$ 36.00	
- 155 Mbps port	CTND5	36.00	
• Peak Cell Rate Service, per 1.787 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNK5	41.85	
- 155 Mbps port	CTNK5	41.85	
• Peak Cell Rate Service, per 40.7 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNG5	945.00	
- 155 Mbps port	CTNG5	945.00	(N)
• Peak Cell Rate Service, per 149 Mbps Increment of total bandwidth			
- 155 Mbps port	CTNH5	3,420.00	
• Sustained Cell Rate Service, per 64 kbps Increment of total bandwidth			
- 1.544 Mbps port	CTNE5	2.25	
- 45 Mbps port	CTNE5	2.25	
- 155 Mbps port	CTNE5	2.25	
• Sustained Cell Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTNC5	33.75	
- 45 Mbps port	CTNC5	33.75	
- 155 Mbps port	CTNC5	33.75	

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

F.3. (Cont'd)

	USOC	MONTHLY RATE	
• Sustained Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNF5	\$ 40.50	
- 155 Mbps port	CTNF5	40.50	
• Sustained Cell Rate Service, Maximum Burst Size, per 64 VCC			
- 32 Cells	CTSA5	—	
- 100 Cells[1]	CTSB5	90.00	
- 200 Cells[1]	CTSC5	180.00	
• Unspecified Bit Rate Service, per 64 kbps Increment of total bandwidth			(N)
- 1.544 Mbps port	CTUE5	0.72	
- 45 Mbps port	CTUE5	0.72	
- 155 Mbps port	CTUE5	0.72	
• Unspecified Bit Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTUC5	10.80	
- 45 Mbps port	CTUC5	10.80	
- 155 Mbps port	CTUC5	10.80	(N)
	USOC	NONRECURRING CHARGE	MONTHLY RATE
4. Central Office Connecting Channel (COCC), per COCC			
- Up to 1.544 Mbps	CFNX5	\$25.00	\$ 0.59
- Up to 45 or 155 Mbps	CFNX5	30.00	11.25

[1] The Maximum Burst Size of 200 Cells requires the customer to purchase a minimum of 4 Mbps of Sustained Cell Rate Service for each VCC.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE (Cont'd)

G. 72 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Optical Access Link, per Access Link				
• 45 Mbps	N7AX6	\$ 840.27	\$ 639.00	
• 155 Mbps	N7AX6	860.24	954.00	
• 45 Mbps optioned with protection	N7AR6	1,320.00	1,080.00	(N)
• 155 Mbps optioned with protection	N7AR6	1,380.00	2,520.00	(N)
2. Stand-Alone Optical Access Link, per Access Link				
• 45 Mbps	N1AX6	840.27	639.00	
• 155 Mbps	N1AX6	860.24	954.00	
• 45 Mbps optioned with protection	N1AR6	1,320.00	1,080.00	(N)
• 155 Mbps optioned with protection	N1AR6	1,380.00	2,520.00	(N)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

G. 72 Months (Cont'd)

	USOC	NONRECURRING CHARGE	
3. Cell Transfer			
• First VCC	NR9AV	\$150.00	
• Each additional VCC	NR9AW	50.00	
• First VPC	NR9AX	150.00	
• Each additional VPC	NR9AY	50.00	
• Subsequent VCC(s) or VPC order charge, per order[1]	NR9AZ	160.00	
	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Fixed Rate, per Port			
- 1.544 Mbps	C3TX6	\$161.45	\$252.00
- 45 Mbps	C3TX6	161.45	396.00
- 155 Mbps	C3TX6	161.45	720.00
Vintage[2]			396.00

(N)

[1] In addition to the Subsequent VCC(s) or VPC order charge, the First and Each Additional VCC or VPC nonrecurring charges apply, as applicable.

[2] Vintage rate in effect 10/2/95 through 3/14/97.

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

G.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 64 kbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNB6	\$ 1.80	(N)
- 45 Mbps port	CTNB6	1.80	(M)
- 155 Mbps port	CTNB6	1.80	(M)
• Peak Cell Rate Service, per 75 kbps			(N)
Increment of total bandwidth			
- 1.544 Mbps port	CTNJ6	2.07	
- 45 Mbps port	CTNJ6	2.07	
- 155 Mbps port	CTNJ6	2.07	(N)
• Peak Cell Rate Service, per 1 Mbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNA6	27.00	(N)
- 45 Mbps port	CTNA6	27.00	(M)
- 155 Mbps port	CTNA6	27.00	(M)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

G.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTND6	\$ 36.00	
- 155 Mbps port	CTND6	36.00	
• Peak Cell Rate Service, per 1.787 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNK6	41.85	
- 155 Mbps port	CTNK6	41.85	
• Peak Cell Rate Service, per 40.7 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNG6	945.00	
- 155 Mbps port	CTNG6	945.00	(N)
• Peak Cell Rate Service, per 149 Mbps Increment of total bandwidth			
- 155 Mbps port	CTNH6	3,420.00	
• Sustained Cell Rate Service, per 64 kbps Increment of total bandwidth			
- 1.544 Mbps port	CTNE6	2.25	
- 45 Mbps port	CTNE6	2.25	
- 155 Mbps port	CTNE6	2.25	
• Sustained Cell Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTNC6	33.75	
- 45 Mbps port	CTNC6	33.75	
- 155 Mbps port	CTNC6	33.75	

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

G.3. (Cont'd)

	USOC	MONTHLY RATE	
• Sustained Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNF6	\$ 40.50	
- 155 Mbps port	CTNF6	40.50	
• Sustained Cell Rate Service, Maximum Burst Size, per VCC			
- 32 Cells	CTSA6	—	
- 100 Cells[1]	CTSB6	90.00	
- 200 Cells[1]	CTSC6	180.00	
• Unspecified Bit Rate Service, per 64 kbps Increment of total bandwidth			(N)
- 1.544 Mbps port	CTUE6	0.72	
- 45 Mbps port	CTUE6	0.72	
- 155 Mbps port	CTUE6	0.72	
• Unspecified Bit Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTUC6	10.80	
- 45 Mbps port	CTUC6	10.80	
- 155 Mbps port	CTUC6	10.80	(N)
	USOC	NONRECURRING CHARGE	MONTHLY RATE
4. Central Office Connecting Channel (COCC), per COCC			
- Up to 1.544 Mbps	CFNX6	\$25.00	\$ 0.59
- Up to 45 or 155 Mbps	CFNX6	30.00	11.25

[1] The Maximum Burst Size of 200 Cells requires the customer to purchase a minimum of 4 Mbps of Sustained Cell Rate Service for each VCC.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE (Cont'd)

H. 84 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Optical Access Link, per Access Link				
• 45 Mbps	N7AX7	\$ 840.27	\$ 639.00	
• 155 Mbps	N7AX7	860.24	954.00	
• 45 Mbps optioned with protection	N7AR7	1,320.00	1,080.00	(N)
• 155 Mbps optioned with protection	N7AR7	1,380.00	2,520.00	(N)
2. Stand-Alone Optical Access Link, per Access Link				
• 45 Mbps	N1AX7	840.27	639.00	
• 155 Mbps	N1AX7	860.24	954.00	
• 45 Mbps optioned with protection	N1AR7	1,320.00	1,080.00	(N)
• 155 Mbps optioned with protection	N1AR7	1,380.00	2,520.00	(N)

Certain material previously found on this page can now be found on Page 8-159.1.

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

H. 84 Months (Cont'd)

	USOC	NONRECURRING CHARGE	
3. Cell Transfer			
• First VCC	NR9AV	\$150.00	
• Each additional VCC	NR9AW	50.00	
• First VPC	NR9AX	150.00	
• Each additional VPC	NR9AY	50.00	
• Subsequent VCC(s) or VPC order charge, per order[1]	NR9AZ	160.00	
	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Fixed Rate, per Port			
- 1.544 Mbps	C3TX7	\$161.45	\$252.00
- 45 Mbps	C3TX7	161.45	396.00 (T)
- 155 Mbps	C3TX7	161.45	720.00
Vintage[2]			396.00 (N)

[1] In addition to the Subsequent VCC(s) or VPC order charge, the First and Each Additional VCC or VPC nonrecurring charges apply, as applicable.

[2] Vintage rate in effect 10/2/95 through 3/14/97. (N)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

H.3. (Cont'd)

(T)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 64 kbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNB7	\$ 1.80	(N)
- 45 Mbps port	CTNB7	1.80	(M)
- 155 Mbps port	CTNB7	1.80	(M)
• Peak Cell Rate Service, per 75 kbps			(N)
Increment of total bandwidth			
- 1.544 Mbps port	CTNJ7	2.07	
- 45 Mbps port	CTNJ7	2.07	
- 155 Mbps port	CTNJ7	2.07	(N)
• Peak Cell Rate Service, per 1 Mbps			(M)
Increment of total bandwidth			(M)
- 1.544 Mbps port	CTNA7	27.00	(N)
- 45 Mbps port	CTNA7	27.00	(M)
- 155 Mbps port	CTNA7	27.00	(M)

Certain material on this page formerly appeared on Page 8-160.

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Effective: July 15, 1997

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

H.3. (Cont'd)

	USOC	MONTHLY RATE	
• Peak Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTND7	\$ 36.00	
- 155 Mbps port	CTND7	36.00	
• Peak Cell Rate Service, per 1.787 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNK7	41.85	
- 155 Mbps port	CTNK7	41.85	
• Peak Cell Rate Service, per 40.7 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNG7	945.00	
- 155 Mbps port	CTNG7	945.00	(N)
• Peak Cell Rate Service, per 149 Mbps Increment of total bandwidth			
- 155 Mbps port	CTNH7	3,420.00	
• Sustained Cell Rate Service, per 64 kbps Increment of total bandwidth			
- 1.544 Mbps port	CTNE7	2.25	
- 45 Mbps port	CTNE7	2.25	
- 155 Mbps port	CTNE7	2.25	
• Sustained Cell Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTNC7	33.75	
- 45 Mbps port	CTNC7	33.75	
- 155 Mbps port	CTNC7	33.75	

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.4 ATM CELL RELAY SERVICE

H.3. (Cont'd)

	USOC	MONTHLY RATE	
• Sustained Cell Rate Service, per 1.544 Mbps Increment of total bandwidth			
- 45 Mbps port	CTNF7	\$ 40.50	
- 155 Mbps port	CTNF7	40.50	
• Sustained Cell Rate Service, Maximum Burst Size, per VCC			
- 32 Cells	CTSA7	—	
- 100 Cells[1]	CTSB7	90.00	
- 200 Cells[1]	CTSC7	180.00	
• Unspecified Bit Rate Service, per 64 kbps Increment of total bandwidth			(N)
- 1.544 Mbps port	CTUE7	0.72	
- 45 Mbps port	CTUE7	0.72	
- 155 Mbps port	CTUE7	0.72	
• Unspecified Bit Rate Service, per 1 Mbps Increment of total bandwidth			
- 1.544 Mbps port	CTUC7	10.80	
- 45 Mbps port	CTUC7	10.80	
- 155 Mbps port	CTUC7	10.80	(N)
	USOC	NONRECURRING CHARGE	MONTHLY RATE
4. Central Office Connecting Channel (COCC), per COCC			
- Up to 1.544 Mbps	CFNX7	\$25.00	\$ 0.59
- Up to 45 or 155 Mbps	CFNX7	30.00	11.25

[1] The Maximum Burst Size of 200 Cells requires the customer to purchase a minimum of 4 Mbps of Sustained Cell Rate Service for each VCC.

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES (Cont'd)

8.4.5 LAN SWITCHING SERVICE

	USOC	NONRECURRING CHARGE
A. LAN Link, per LAN Link termination	NRBL8	\$1,500.00
	USOC	MONTHLY RATE
1. Ethernet, 10 Mbps, without protection, per LAN Link termination		
• Monthly	D5LCX	\$1,400.00
• 12 Months	DLUC1	1,330.00
• 36 Months	DLUC3	1,190.00
• 60 Months	DLUC5	1,120.00
2. Ethernet, 10 Mbps, with protection, per LAN Link termination		
• Monthly	D5LCP	1,700.00
• 12 Months	DPUC1	1,615.00
• 36 Months	DPUC3	1,445.00
• 60 Months	DPUC5	1,360.00
3. Fast Ethernet, 45 Mbps, without protection, per LAN Link termination		
• Monthly	D5L1X	1,800.00
• 12 Months	DLU11	1,710.00
• 36 Months	DLU13	1,530.00
• 60 Months	DLU15	1,440.00
4. Fast Ethernet, 45 Mbps, with protection, per LAN Link termination		
• Monthly	D5L1P	2,100.00
• 12 Months	DPU11	1,995.00
• 36 Months	DPU13	1,785.00
• 60 Months	DPU15	1,680.00

(N)

(N)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.5 LAN SWITCHING SERVICE

A. LAN Links, per LAN Link (Cont'd)

	USOC	MONTHLY RATE
5. Fast Ethernet, 100 Mbps, without protection, per LAN Link termination		
• Monthly	D5L2X	\$2,800.00
• 12 Months	DLU21	2,660.00
• 36 Months	DLU23	2,380.00
• 60 Months	DLU25	2,240.00
6. Fast Ethernet, 100 Mbps, with protection, per LAN Link termination		
• Monthly	D5L2P	3,900.00
• 12 Months	DPU21	3,700.00
• 36 Months	DPU23	3,300.00
• 60 Months	DPU25	3,120.00
7. Token Ring, 16 Mbps, without protection, per LAN Link termination		
• Monthly	D5LBX	1,400.00
• 12 Months	DLUB1	1,330.00
• 36 Months	DLUB3	1,190.00
• 60 Months	DLUB5	1,120.00
8. Token Ring, 16 Mbps, with protection, per LAN Link termination		
• Monthly	D5LBP	1,700.00
• 12 Months	DPUB1	1,615.00
• 36 Months	DPUB3	1,445.00
• 60 Months	DPUB5	1,360.00

(N)

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.5 LAN SWITCHING SERVICE (Cont'd)

	USOC	NONRECURRING CHARGE
B. Remote LAN Links, per Remote LAN Link termination	NRB6E	\$1,700.00
	USOC	MONTHLY RATE
1. Ethernet, 10 Mbps, per Remote LAN Link termination		
• Monthly	RLUCM	\$1,700.00
• 12 Months	RLUC1	1,615.00
• 36 Months	RLUC3	1,445.00
• 60 Months	RLUC5	1,360.00
2. Fast Ethernet, 45 Mbps, per Remote LAN Link termination		
• Monthly	RLU1M	2,100.00
• 12 Months	RLU11	1,995.00
• 36 Months	RLU13	1,785.00
• 60 Months	RLU15	1,680.00
3. Token Ring, 16 Mbps, per Remote LAN Link termination		
• Monthly	RLUBM	1,700.00
• 12 Months	RLUB1	1,615.00
• 36 Months	RLUB3	1,445.00
• 60 Months	RLUB5	1,360.00

(N)

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.5 LAN SWITCHING SERVICE (Cont'd)

(S-y)

C. Transport Mileage

	USOC	MONTHLY RATE	
1. Token Ring/10 Mbps Ethernet			
a. Monthly			
Mileage Bands			
• Over 0 to 8			(S-y)
- Fixed	JZ3OA	\$369.31	(T-x-y)
- Per mile	JZ3OA	32.04	(T-x-y)
• Over 8 to 25			(S-y)
- Fixed	JZ3OB	371.09	(T-x-y)
- Per mile	JZ3OB	21.97	(T-x-y)
• Over 25 to 50			(S-y)
- Fixed	JZ3OC	374.06	(T-x-y)
- Per mile	JZ3OC	31.94	(T-x-y)
• Over 50			(S-y)
- Fixed	JZ3OD	387.13	(T-x-y)
- Per mile	JZ3OD	36.20	(T-x-y)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.5 LAN SWITCHING SERVICE

C.1. (Cont'd)

	USOC	MONTHLY RATE	(S-y)
b. 12 Months			
Mileage Bands			
• Over 0 to 8			(S-y)
- Fixed	JZ3XA	\$350.85	(T-x-y)
- Per mile	JZ3XA	30.44	(T-x-y)
• Over 8 to 25			(S-y)
- Fixed	JZ3XB	352.54	(T-x-y)
- Per mile	JZ3XB	20.87	(T-x-y)
• Over 25 to 50			(S-y)
- Fixed	JZ3XC	355.36	(T-x-y)
- Per mile	JZ3XC	30.34	(T-x-y)
• Over 50			(S-y)
- Fixed	JZ3XD	367.77	(T-x-y)
- Per mile	JZ3XD	34.39	(T-x-y)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.5 LAN SWITCHING SERVICE

C.1.(Cont'd)

	USOC	MONTHLY RATE	(S-y)
c. 36 Months			
Mileage Bands			
• Over 0 to 8			(S-y)
- Fixed	JZ3ZA	\$313.92	(T-x-y)
- Per mile	JZ3ZA	27.34	(T-x-y)
• Over 8 to 25			(S-y)
- Fixed	JZ3ZB	315.43	(T-x-y)
- Per mile	JZ3ZB	18.68	(T-x-y)
• Over 25 to 50			(S-y)
- Fixed	JZ3ZC	317.96	(T-x-y)
- Per mile	JZ3ZC	27.26	(T-x-y)
• Over 50			(S-y)
- Fixed	JZ3ZD	329.06	(T-x-y)
- Per mile	JZ3ZD	30.89	(T-x-y)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.5 LAN SWITCHING SERVICE

C.1.(Cont'd)

	USOC	MONTHLY RATE	(S-y)
d. 60 Months			
Mileage Bands			
• Over 0 to 8			(S-y)
- Fixed	JZ35A	\$295.45	(T-x-y)
- Per mile	JZ35A	25.63	(T-x-y)
• Over 8 to 25			(S-y)
- Fixed	JZ35B	296.88	(T-x-y)
- Per mile	JZ35B	17.58	(T-x-y)
• Over 25 to 50			(S-y)
- Fixed	JZ35C	299.25	(T-x-y)
- Per mile	JZ35C	25.55	(T-x-y)
• Over 50			(S-y)
- Fixed	JZ35D	309.70	(T-x-y)
- Per mile	JZ35D	28.96	(T-x-y)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.5 LAN SWITCHING SERVICE

C. Transport Mileage (Cont'd)

	USOC	MONTHLY RATE	(S-y)
2. Fast Ethernet, 45 Mbps			
a. Monthly			
Mileage Bands			
• Over 0 to 8			(S-y)
- Fixed	JZ36A	\$590.90	(T-x-y)
- Per mile	JZ36A	51.26	(T-x-y)
• Over 8 to 25			(S-y)
- Fixed	JZ36B	593.75	(T-x-y)
- Per mile	JZ36B	35.15	(T-x-y)
• Over 25 to 50			(S-y)
- Fixed	JZ36C	598.50	(T-x-y)
- Per mile	JZ36C	51.11	(T-x-y)
• Over 50			(S-y)
- Fixed	JZ36D	619.40	(T-x-y)
- Per mile	JZ36D	57.92	(T-x-y)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.5 LAN SWITCHING SERVICE

C.2. (Cont'd)

	USOC	MONTHLY RATE	(S-y)
b. 12 Months			
Mileage Bands			
• Over 0 to 8			(S-y)
- Fixed	JZ37A	\$561.36	(T-x-y)
- Per mile	JZ37A	48.70	(T-x-y)
• Over 8 to 25			(S-y)
- Fixed	JZ37B	564.06	(T-x-y)
- Per mile	JZ37B	33.39	(T-x-y)
• Over 25 to 50			(S-y)
- Fixed	JZ37C	568.58	(T-x-y)
- Per mile	JZ37C	48.55	(T-x-y)
• Over 50			(S-y)
- Fixed	JZ37D	588.43	(T-x-y)
- Per mile	JZ37D	55.02	(T-x-y)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.5 LAN SWITCHING SERVICE

C.2. (Cont'd)

	USOC	MONTHLY RATE	(S-y)
c. 36 Months			
Mileage Bands			
• Over 0 to 8			(S-y)
- Fixed	JZ38A	\$502.27	(T-x-y)
- Per mile	JZ38A	43.74	(T-x-y)
• Over 8 to 25			(S-y)
- Fixed	JZ38B	504.69	(T-x-y)
- Per mile	JZ38B	29.88	(T-x-y)
• Over 25 to 50			(S-y)
- Fixed	JZ38C	508.73	(T-x-y)
- Per mile	JZ38C	43.61	(T-x-y)
• Over 50			(S-y)
- Fixed	JZ38D	526.49	(T-x-y)
- Per mile	JZ38D	49.42	(T-x-y)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.4 RATES AND CHARGES

8.4.5 LAN SWITCHING SERVICE

C.2. (Cont'd)

	USOC	MONTHLY RATE	(S-y)
c. 60 Months			
Mileage Bands			
• Over 0 to 8			(S-y)
- Fixed	JZ39A	\$472.72	(T-x-y)
- Per mile	JZ39A	41.00	(T-x-y)
• Over 8 to 25			(S-y)
- Fixed	JZ39B	475.00	(T-x-y)
- Per mile	JZ39B	28.12	(T-x-y)
• Over 25 to 50			(S-y)
- Fixed	JZ39C	478.80	(T-x-y)
- Per mile	JZ39C	40.88	(T-x-y)
• Over 50			(S-y)
- Fixed	JZ39D	495.52	(T-x-y)
- Per mile	JZ39D	46.33	(T-x-y)

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8. ADVANCED COMMUNICATIONS NETWORKS

8.5 MODEM AGGREGATION SERVICE (MAS)

(N)

8.5.1 GENERAL

A. Description

The Company's Modem Aggregation Service (MAS) enables customers to subscribe to the use of modems located within designated U S WEST local calling areas.

MAS shall not be used to provide originating switched voice traffic using internet technologies. When the Company determines that the service is being used to originate switched voice traffic, the customer will be given thirty days to discontinue the unauthorized use. During this thirty day period the customer will be given the option to purchase an applicable switched access product. Failure to discontinue the aforementioned use of MAS will result in it's disconnection and in the application of appropriate TLA charges.

For a given local calling area, the service provides to the MAS customer a dial-in phone number and a customer-specified number of MAS ports. The end users of a MAS customer can place any combination of modem (analog) calls and/or ISDN (digital) calls to the assigned MAS phone number within the local calling area, up to and including the subscribed-to number of MAS ports. End-user calls in excess of the subscribed number of MAS ports will receive a subscriber busy signal.

Once the call is connected, the end-user PPP (Point to Point Protocol) traffic is delivered to the MAS customer location over a L2TP (Layer 2 Tunneling Protocol) tunnel using standard Frame Relay Service or ATM Cell Relay Service where these services are available. End user traffic from multiple U S WEST local calling areas can be aggregated onto a single Frame Relay or ATM PVC (Permanent Virtual Circuit).

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.5 MODEM AGGREGATION SERVICE (MAS)

8.5.1 GENERAL

A. Description (Cont'd)

MAS requires the use of customer provided equipment L2TP Network Service (LNS) located at the customer's premise to interface with the end user modem traffic that is delivered over the Frame Relay Service or ATM Cell Relay Service to the customer premise. The customer must purchase either Frame Relay Service or ATM Cell Relay Service in order to connect their network to the Central Office based MAS modems. Availability of MAS is limited to those wire centers where MAS and Frame Relay Service or ATM Cell Relay Service is available. The locations designated by the Company are listed in the National Exchange Carrier Association FCC Tariff No. 4.

MAS does not guarantee or warranty the speed or success rate which end users will realize when attempting to connect to the service. Connect speeds and connection success rates vary widely across end user local loops and equipment.

The customer must purchase and install equipment at their premise in order to terminate the end user calls and route them to their end destination. Technical Specifications for MAS are delineated in U S WEST Communications Technical Publication PUB 77402.

MAS customers will receive graphical daily usage reports delivered via e-mail to one e-mail address specified by the customer of record.

(N)

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.5 MODEM AGGREGATION SERVICE (MAS)

8.5.1 GENERAL (Cont'd)

B. Service Elements

1. MAS Recurring Charges

A monthly rate will be applied based on the number of modems to which the customer subscribes. MAS modems are available in blocks of ten. The charges do not include the Frame Relay Service or ATM Cell Relay Service access link, port charges, or bandwidth. Frame Relay or ATM Cell Relay Services are purchased as set forth in Section 8, preceding.

2. MAS Nonrecurring Charges

A nonrecurring telephone number charge applies per telephone number when the customer changes their existing telephone number or orders a new MAS telephone number. An order change charge initial or subsequent applies per service order. Changes are only allowed in increments of ten.

(N)

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.5 MODEM AGGREGATION SERVICE (MAS)

8.5.2 PRICING PLANS

A. Pricing Plan Terms and Conditions

MAS may be ordered at the customer's option on a month-to-month basis or under a Fixed Period Service Rate Plan of 12 months, 36 months or 60 months. The optional rate plans give the MAS customer the assurance of no Company-initiated increases in rates during the fixed period. The minimum service period for Fixed Period Service Rate is 12 Months as set forth in Section 5, preceding.

When customers with Intrastate MAS existing prior to April 4, 2000 migrate to the MAS offered in this Tariff at the same address of record a nonrecurring charge will not apply and applicable TLA will be waived.

(N)

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.5 MODEM AGGREGATION SERVICE (MAS)

8.5.2 PRICING PLANS (CONT'D)

B. MAS Promotions

1. MAS Pricing Plan Promotion – June 14, 2000 through September 12, 2000

For a limited time only, the nonrecurring charges for MAS will be waived for customers who install new service and subscribe to a 12 month or greater Pricing Plan; for existing MAS customers who install service at a new customer premises and subscribe to a 12 month or greater Pricing Plan; or for existing MAS customers who add additional telephone numbers to there existing MAS service. Order applications must be placed from June 14, 2000 through September 12, 2000, with order completion within 45 days of the order application date. The order application date is the date the service is ordered. When order completion is delayed due to Company reasons, the order completion date will be extended. This offering is not available with any other promotion.

(N)

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.5 MODEM AGGREGATION SERVICE (MAS)

(N)

8.5.3 RATES AND CHARGES

A. MAS Services

1. MAS Recurring Charges,
per Block

	USOC	MONTHLY RATE
a. 1 to 20 Blocks, per Block		
• Monthly	MBLB2	\$ 650.00
• 12 Months	MBLB2	450.00
• 36 Months	MBLB2	430.00
• 60 Months	MBLB2	400.00
b. 21 to 200 Blocks, per Block		
• Monthly	MBLB2	600.00
• 12 Months	MBLB2	430.00
• 36 Months	MBLB2	400.00
• 60 Months	MBLB2	380.00
c. 201 Blocks and Above, per Block		
• Monthly	MBLB2	550.00
• 12 Months	MBLB2	360.00
• 36 Months	MBLB2	340.00
• 60 Months	MBLB2	320.00

(N)

8. ADVANCED COMMUNICATIONS NETWORKS

8.5 MODEM AGGREGATION SERVICE (MAS)

8.5.3 RATES AND CHARGES

A. MAS Services (Cont'd)

	USOC	NONRECURRING CHARGE
2. MAS Nonrecurring Charges,		
• MAS Telephone Number Charge, per telephone number	REALC	200.00
• MAS order charge, (initial and subsequent) per service order	REALP	40.00

(N)

(N)